



链滴

# Android 开发之轻松打造 DatePickerDialog 可自由选择显示 Day 或者隐藏

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原文链接: <https://ld246.com/article/1496286060362>

来源网站: [链滴](#)

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通过反射将datepicker里面的dayView隐藏, 增加了几个接口

```
package guanaj.com.easydatepickerdialog;

import android.app.AlertDialog;
import android.content.Context;
import android.content.DialogInterface;
import android.content.res.Resources;
import android.os.Build;
import android.os.Bundle;
import android.text.format.DateUtils;
import android.view.LayoutInflater;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;

import java.lang.reflect.Field;
import java.util.Calendar;

/**
 * Created by guanaj on 2017/3/7.
 */

class EasyDatePickerDialog extends AlertDialog implements DialogInterface.OnClickListener,
    DatePicker.OnDateChangedListener {

    private static final String YEAR = "year";
    private static final String MONTH = "month";
    private static final String DAY = "day";

    private final DatePicker mDatePicker;
    private final OnDateSetListener mDateSetListener;
    private final Calendar mCalendar;
    private boolean mHidDay = false;
    private Context mContext;

    public interface OnDateSetListener {
        void onDateSet(DatePicker startDatePicker, int startYear, int startMonthOfYear, int startDayOfMonth);
    }

    private boolean mTitleNeedsUpdate = true;

    public EasyDatePickerDialog(Context context,
        OnDateSetListener callBack,
        int year,
        int monthOfYear,
        int dayOfMonth, boolean hidDay) {
        this(context, 0, callBack, year, monthOfYear, dayOfMonth, hidDay);
    }

    public EasyDatePickerDialog(Context context, int theme, OnDateSetListener listener, int year,
        int monthOfYear, int dayOfMonth, boolean hidDay) {
```

```

super(context, theme);

mDateSetListener = listener;
mCalendar = Calendar.getInstance();
mHidDay = hidDay;
mContext = getContext();
final LayoutInflater inflater = LayoutInflater.from(mContext);
final View view = inflater.inflate(R.layout.easydatepickerview, null);
setButton(BUTTON_POSITIVE, "确定", this);
setButton(BUTTON_NEGATIVE, "取消", this);
//setIcon(0); //移除按钮效果
setView(view);

mDatePicker = (DatePicker) view.findViewById(R.id.easydatePicker);
mDatePicker.init(year, monthOfYear, dayOfMonth, this);
if (hidDay) {
    hideDayView(mDatePicker);
}

}

private void hideDayView(DatePicker mDatePicker) {
    try {
        /* android5.0以上 */
        if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.LOLLIPOP) {
            int daySpinnerId = Resources.getSystem().getIdentifier("day", "id", "android");
            if (daySpinnerId != 0) {
                View daySpinner = mDatePicker.findViewById(daySpinnerId);
                if (daySpinner != null) {
                    daySpinner.setVisibility(View.GONE);
                }
            }
        } else {
            Field[] datePickerFields = mDatePicker.getClass().getDeclaredFields();
            for (Field datePickerField : datePickerFields) {
                if ("mDaySpinner".equals(datePickerField.getName()) || ("mDayPicker").equals(datePickerField.getName())) {
                    datePickerField.setAccessible(true);
                    Object dayPicker = new Object();
                    try {
                        dayPicker = datePickerField.get(mDatePicker);
                    } catch (IllegalAccessException e) {
                        e.printStackTrace();
                    } catch (IllegalArgumentException e) {
                        e.printStackTrace();
                    }
                    ((View) dayPicker).setVisibility(View.GONE);
                }
            }
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
}

```

```

@Override
public void onChanged(DatePicker view, int year, int month, int day) {
    if (view.getId() == R.id.easydatePicker) {
        mDatePicker.init(year, month, day, this);
        //可根据需要在此处更新title
    }
}

@Override
public void onClick(DialogInterface dialog, int which) {
    switch (which) {
        case BUTTON_POSITIVE:
            if (mDateSetListener != null) {
                // Clearing focus forces the dialog to commit any pending
                // changes, e.g. typed text in a NumberPicker.
                mDatePicker.clearFocus();
                mDateSetListener.onDateSet(mDatePicker, mDatePicker.getYear(),
                    mDatePicker.getMonth(), mDatePicker.getDayOfMonth());
            }
            break;
        case BUTTON_NEGATIVE:
            cancel();
            break;
    }
}

public DatePicker getDatePicker() {
    return mDatePicker;
}

public void updateDate(int year, int monthOfYear, int dayOfMonth) {
    mDatePicker.updateDate(year, monthOfYear, dayOfMonth);
}

@Override
public Bundle onSaveInstanceState() {
    final Bundle state = super.onSaveInstanceState();
    state.putInt(YEAR, mDatePicker.getYear());
    state.putInt(MONTH, mDatePicker.getMonth());
    state.putInt(DAY, mDatePicker.getDayOfMonth());
    return state;
}

@Override
public void onRestoreInstanceState(Bundle savedInstanceState) {
    super.onRestoreInstanceState(savedInstanceState);
    final int year = savedInstanceState.getInt(YEAR);
    final int month = savedInstanceState.getInt(MONTH);
    final int day = savedInstanceState.getInt(DAY);
    mDatePicker.init(year, month, day, this);
}

```

```
public void setMaxDate(int year,int month,int day){
    mCalendar.set(year,month-1,day);
    mDatePicker.setMaxDate(mCalendar.getTimeInMillis());
}
public void setMinDate(int year,int month,int day){
    mCalendar.set(year,month-1,day);
    mDatePicker.setMinDate(mCalendar.getTimeInMillis());
}
}
```

布局文件:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:orientation="vertical" >
    /**
    * Created by guanaj on .
    */

    <DatePicker
        android:id="@+id/easydatePicker"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:calendarViewShown="false"
        android:datePickerMode="spinner" />

</LinearLayout>
```