

public class

Summary: [Nested Classes](#) | [XML Attrs](#) | [Inherited XML Attrs](#) | [Constants](#) | [Inherited Constants](#) | [Inherited Fields](#) | [Ctors](#) | [Methods](#) | [Protected Methods](#) | [Inherited Methods](#) | [Expand All](#)

Added in [API level 1](#)

LinearLayout

extends [ViewGroup](#)

- [java.lang.Object](#)
- ↳ [android.view.View](#)
- ↳ [android.view.ViewGroup](#)
- ↳ [android.widget.LinearLayout](#)
- Known Direct Subclasses
- NumberPicker, RadioGroup, SearchView, TabWidget, TableLayout, TableRow, ZoomControls

Class Overview

A Layout that arranges its children in a single column or a single row. The direction of the row can be set by calling [setOrientation\(\)](#) ([/reference/android/widget/LinearLayout.html#setOrientation\(int\)](#)). You can also specify gravity, which specifies the alignment of all the child elements by calling [setGravity\(\)](#) ([/reference/android/widget/LinearLayout.html#setGravity\(int\)](#)) or specify that specific children grow to fill up any remaining space in the layout by setting the *weight* member of [LinearLayout.LayoutParams](#) ([/reference/android/widget/LinearLayout.LayoutParams.html](#)). The default orientation is horizontal.

See the [Linear Layout](#) ([/guide/topics/ui/layout/linear.html](#)) guide.

Also see [android.widget.LinearLayout.LayoutParams](#) ([/reference/android/widget/LinearLayout.LayoutParams.html](#)) for layout attributes

Summary

Nested Classes	
class <a href="#">LinearLayout.LayoutParams</a>	Per-child layout information associated with <a href="#">ViewLinearLayout</a> .

XML Attributes		
Attribute Name	Related Method	Description
<a href="#">android:baselineAligned</a>	<a href="#">setBaselineAligned(boolean)</a>	When set to false, prevents

		the layout from aligning its children's baselines. When a linear layout is part of another layout that is baseline aligned, it can specify which of its children to baseline align to (that is, which child TextView).
android:baselineAlignedChildIndex	setBaselineAlignedChildIndex(int)	Drawable to use as a vertical divider between buttons. Specifies how an object should position its content, on both the X and Y axes, within its own bounds. When set to true, all children with a weight will
android:divider	setDividerDrawable(Drawable)	be considered having the minimum size of the largest
android:gravity	setGravity(int)	
android:measureWithLargestChild	setMeasureWithLargestChildEnabled(boolean)	

android:orientation      setOrientation(int)

child.  
Should the layout be a column or a row? Use "horizontal" for a row, "vertical" for a column.  
Defines the maximum weight sum.

android:weightSum

#### **Inherited XML Attributes** [Expand]

- From class android.view.ViewGroup
- From class android.view.View

#### **Constants**

int HORIZONTAL

int SHOW\_DIVIDER\_BEGINNING      Show a divider at the beginning of the group.

int SHOW\_DIVIDER\_END      Show a divider at the end of the group.

int SHOW\_DIVIDER\_MIDDLE      Show dividers between each item in the group.

int SHOW\_DIVIDER\_NONE      Don't show any dividers.

int VERTICAL

#### **Inherited Constants** [Expand]

- From class android.view.ViewGroup
- From class android.view.View

#### **Inherited Fields** [Expand]

- From class android.view.View

#### **Public Constructors**

LinearLayout(Context context)

LinearLayout(Context context, AttributeSet attrs)

LinearLayout(Context context, AttributeSet attrs, int defStyle)

#### **Public Methods**

generateLayoutParams(AttributeSet attrs)

LinearLayout.LayoutParams      Returns a new set of layout parameters based on the supplied attributes set.

getBaseline()

int      Return the offset of the widget's text baseline from the widget's top boundary.

```

        int getBaselineAlignedChildIndex ()
Drawable getDividerDrawable ()
        int getDividerPadding ()
            Get the padding size used to inset dividers in pixels
        int getOrientation ()
            Returns the current orientation.
        int getShowDividers ()
        float getWeightSum ()
            Returns the desired weights sum.
        isBaselineAligned ()

boolean    Indicates whether widgets contained within this layout
           are aligned on their baseline or not.

        isMeasureWithLargestChildEnabled ()
boolean    When true, all children with a weight will be considered
           having the minimum size of the largest child.
        onInitializeAccessibilityEvent (AccessibilityEvent event)
void       Initializes an AccessibilityEvent with information
           about this View which is the event source.
        onInitializeAccessibilityNodeInfo (AccessibilityNodeInfo info)
void       Initializes an AccessibilityNodeInfo with
           information about this view.
        setBaselineAligned (boolean baselineAligned)

void       Defines whether widgets contained in this layout are
           baseline-aligned or not.

void setBaselineAlignedChildIndex (int i)
        setDividerDrawable (Drawable divider)
void       Set a drawable to be used as a divider between items.
        setDividerPadding (int padding)
void       Set padding displayed on both ends of dividers.
        setGravity (int gravity)
void       Describes how the child views are positioned.
        setHorizontalGravity (int horizontalGravity)
        setMeasureWithLargestChildEnabled (boolean enabled)
void       When set to true, all children with a weight will be
           considered having the minimum size of the largest child.
        setOrientation (int orientation)
void       Should the layout be a column or a row.
        setShowDividers (int showDividers)
void       Set how dividers should be shown between items in this
           layout
    
```

```
void setVerticalGravity (int verticalGravity)
void setWeightSum (float weightSum)
    Defines the desired weights sum.
    shouldDelayChildPressedState ()
boolean Return true if the pressed state should be delayed for
    children or descendants of this ViewGroup.
```

### Protected Methods

```
boolean checkLayoutParams (ViewGroup.LayoutParams p)
generateDefaultLayoutParams ()
LinearLayout.LayoutParams Returns a set of layout parameters with a width of
    MATCH_PARENT and a height of WRAP_CONTENT when
    the layout's orientation is VERTICAL.
generateLayoutParams (ViewGroup.LayoutParams p)
LinearLayout.LayoutParams Returns a safe set of layout parameters based on the
    supplied layout params.
void onDraw (Canvas canvas)
    Implement this to do your drawing.
onLayout (boolean changed, int l, int t, int r, int b)
void Called from layout when this view should assign a size
    and position to each of its children.
onMeasure (int widthMeasureSpec, int heightMeasureSpec)
void Measure the view and its content to determine the
    measured width and the measured height.
```

### Inherited Methods

[Expand]

- ▶ From class android.view.ViewGroup
- ▶ From class android.view.View
- ▶ From class java.lang.Object
- ▶ From interface android.graphics.drawable.Drawable.Callback
- ▶ From interface android.view.KeyEvent.Callback
- ▶ From interface android.view.ViewManager
- ▶ From interface android.view.ViewParent
- ▶ From interface android.view.accessibility.AccessibilityEventSource

## XML Attributes

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### android:baselineAligned

When set to false, prevents the layout from aligning its children's baselines. This attribute is particularly useful when the children use different values for gravity. The default value is true.

Must be a boolean value, either "true" or "false".

This may also be a reference to a resource (in the form "`@[package:] type:name`") or theme attribute (in the form "`?[package:] [type:] name`") containing a value of this type.

This corresponds to the global attribute resource symbol `baselineAligned` (</reference/android/R.attr.html#baselineAligned>).

#### Related Methods

`setBaselineAligned(boolean)`

### **android:baselineAlignedChildIndex**

When a linear layout is part of another layout that is baseline aligned, it can specify which of its children to baseline align to (that is, which child `TextView`).

Must be an integer value, such as "100".

This may also be a reference to a resource (in the form "`@[package:] type:name`") or theme attribute (in the form "`?[package:] [type:] name`") containing a value of this type.

This corresponds to the global attribute resource symbol `baselineAlignedChildIndex` (</reference/android/R.attr.html#baselineAlignedChildIndex>).

#### Related Methods

`setBaselineAlignedChildIndex(int)`

### **android:divider**

Drawable to use as a vertical divider between buttons.

May be a reference to another resource, in the form "`@[+][package:] type:name`" or to a theme attribute in the form "`?[package:] [type:] name`".

May be a color value, in the form of "`#rgb`", "`#argb`", "`#rrggbb`", or "`#aarrggbb`".

This corresponds to the global attribute resource symbol `divider` (</reference/android/R.attr.html#divider>).

#### Related Methods

`setDividerDrawable(Drawable)`

### **android:gravity**

Specifies how an object should position its content, on both the X and Y axes, within its own bounds.

Must be one or more (separated by '|') of the following constant values.

Constant	Value	Description
top	0x30	Push object to the top of its container, not changing its size.
bottom	0x50	Push object to the bottom of its container, not changing its size.
left	0x03	Push object to the left of its container, not changing its size.
right	0x05	Push object to the right of its container, not changing its size.
center_vertical	0x10	Place object in the vertical center of its container, not changing its size.
fill_vertical	0x70	Grow the vertical size of the object if needed so it completely fills its container.
center_horizontal	0x01	Place object in the horizontal center of its container, not changing its size.
fill_horizontal	0x07	Grow the horizontal size of the object if needed so it completely fills its container.
center	0x11	Place the object in the center of its container in both the vertical and horizontal axis, not changing its size.
fill	0x77	Grow the horizontal and vertical size of the object if needed so it completely fills its container.
clip_vertical	0x80	Additional option that can be set to have the top and/or bottom edges of the child clipped to its container's bounds. The clip will be based on the vertical gravity: a top gravity will clip the bottom edge, a bottom gravity will clip the top edge, and neither will clip both edges.
clip_horizontal	0x08	Additional option that can be set to have the left and/or right edges of the child clipped to its container's bounds. The clip will

		be based on the horizontal gravity: a left gravity will clip the right edge, a right gravity will clip the left edge, and neither will clip both edges.
start	0x00800003	Push object to the beginning of its container, not changing its size.
end	0x00800005	Push object to the end of its container, not changing its size.

This corresponds to the global attribute resource symbol [gravity](/reference/android/R.attr.html#gravity) (</reference/android/R.attr.html#gravity>).

#### Related Methods

[setGravity\(int\)](#)

### android:measureWithLargestChild

When set to true, all children with a weight will be considered having the minimum size of the largest child. If false, all children are measured normally.

Must be a boolean value, either "true" or "false".

This may also be a reference to a resource (in the form "@[*package*: ] *type*:*name*") or theme attribute (in the form "?[*package*: ] [*type*: ] *name*") containing a value of this type.

This corresponds to the global attribute resource symbol [measureWithLargestChild](/reference/android/R.attr.html#measureWithLargestChild) (</reference/android/R.attr.html#measureWithLargestChild>).

#### Related Methods

[setMeasureWithLargestChildEnabled\(boolean\)](#)

### android:orientation

Should the layout be a column or a row? Use "horizontal" for a row, "vertical" for a column. The default is horizontal.

Must be one of the following constant values.

Constant	Value	Description
horizontal	0	Defines an horizontal widget.
vertical	1	Defines a vertical widget.

This corresponds to the global attribute resource symbol [orientation](/reference/android/R.attr.html#orientation) (</reference/android/R.attr.html#orientation>).



## Related Methods

[setOrientation\(int\)](#)

## android:weightSum

Defines the maximum weight sum. If unspecified, the sum is computed by adding the `layout_weight` of all of the children. This can be used for instance to give a single child 50% of the total available space by giving it a `layout_weight` of 0.5 and setting the `weightSum` to 1.0.

Must be a floating point value, such as "1.2".

This may also be a reference to a resource (in the form "`@[package:] type:name`") or theme attribute (in the form "`?[package:] [type:] name`") containing a value of this type.

This corresponds to the global attribute resource symbol [`weightSum`](#) ([/reference/android/R.attr.html#weightSum](#)).

## Related Methods

## Constants

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public static final int **HORIZONTAL**

Added in [API level 1](#)

Constant Value: 0 (0x00000000)

public static final int **SHOW\_DIVIDER\_BEGINNING**

Added in [API level 11](#)

Show a divider at the beginning of the group.

Constant Value: 1 (0x00000001)

public static final int **SHOW\_DIVIDER\_END**

Added in [API level 11](#)

Show a divider at the end of the group.

Constant Value: 4 (0x00000004)

public static final int **SHOW\_DIVIDER\_MIDDLE**

Added in [API level 11](#)

Show dividers between each item in the group.

Constant Value: 2 (0x00000002)

public static final int **SHOW\_DIVIDER\_NONE**

Added in [API level 11](#)

Don't show any dividers.

Constant Value: 0 (0x00000000)

public static final int **VERTICAL**

Added in [API level 1](#)

Constant Value: 1 (0x00000001)

## Public Constructors

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public **LinearLayout** ([Context](#) context)

Added in [API level 1](#)

public **LinearLayout** ([Context](#) context, [AttributeSet](#) attrs)

Added in [API level 1](#)

public **LinearLayout** ([Context](#) context, [AttributeSet](#) attrs, int defStyle)

Added in [API level 11](#)

## Public Methods

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public [LinearLayout.LayoutParams](#)  
**generateLayoutParams** ([AttributeSet](#) attrs)

Added in [API level 1](#)

Returns a new set of layout parameters based on the supplied attributes set.

### Parameters

*attrs* the attributes to build the layout parameters from

### Returns

an instance of [ViewGroup.LayoutParams](#) or one of its descendants

public int **getBaseline** ()

Added in [API level 1](#)

Return the offset of the widget's text baseline from the widget's top boundary. If this widget does not support baseline alignment, this method returns -1.

### Returns

the offset of the baseline within the widget's bounds or -1 if baseline alignment is not supported

public int **getBaselineAlignedChildIndex** ()

Added in [API level 1](#)

### Returns

The index of the child that will be used if this layout is part of a larger layout that is baseline aligned, or -1 if none has been set.

public Drawable **getDividerDrawable** ()

Added in API level 16

**Related XML Attributes**

[android:divider](#)

**Returns**

the divider Drawable that will divide each item.

**See Also**

[setDividerDrawable\(Drawable\)](#)

public int **getDividerPadding** ()

Added in API level 14

Get the padding size used to inset dividers in pixels

**See Also**

[setShowDividers\(int\)](#)

[setDividerDrawable\(Drawable\)](#)

[setDividerPadding\(int\)](#)

public int **getOrientation** ()

Added in API level 1

Returns the current orientation.

**Returns**

either [HORIZONTAL](#) or [VERTICAL](#)

public int **getShowDividers** ()

Added in API level 11

**Returns**

A flag set indicating how dividers should be shown around items.

**See Also**

[setShowDividers\(int\)](#)

public float **getWeightSum** ()

Added in API level 1

Returns the desired weights sum.

**Returns**

A number greater than 0.0f if the weight sum is defined, or a number lower than or equals to 0.0f if not weight sum is to be used.

public boolean **isBaselineAligned** ()

Added in API level 1

Indicates whether widgets contained within this layout are aligned on

their baseline or not.

### Returns

true when widgets are baseline-aligned, false otherwise

public boolean **isMeasureWithLargestChildEnabled** () Added in [API level 11](#)

When true, all children with a weight will be considered having the minimum size of the largest child. If false, all children are measured normally.

### Related XML Attributes

[android:measureWithLargestChild](#)

### Returns

True to measure children with a weight using the minimum size of the largest child, false otherwise.

public void **onInitializeAccessibilityEvent**  
([AccessibilityEvent](#) event) Added in [API level 14](#)

Initializes an [AccessibilityEvent](#) ([/reference/android/view/accessibility/AccessibilityEvent.html](#)) with information about this View which is the event source. In other words, the source of an accessibility event is the view whose state change triggered firing the event.

Example: Setting the password property of an event in addition to properties set by the super implementation:

```
public void onInitializeAccessibilityEvent(AccessibilityEvent event) {
    super.onInitializeAccessibilityEvent(event);
    event.setPassword(true);
}
```

If an [View.AccessibilityDelegate](#) ([/reference/android/view/View.AccessibilityDelegate.html](#)) has been specified via calling [setAccessibilityDelegate\(AccessibilityDelegate\)](#) ([/reference/android/view/View.html#setAccessibilityDelegate\(android.view.View.AccessibilityDelegate\)](#)) its [onInitializeAccessibilityEvent\(View, AccessibilityEvent\)](#) ([/reference/android/view/View.AccessibilityDelegate.html#onInitializeAccessibilityEvent\(android.view.View, android.view.accessibility.AccessibilityEvent\)](#)) is responsible for handling this call.

**Note:** Always call the super implementation before adding information to the event, in case the default implementation has

basic information to add.

### Parameters

*event* The event to initialize.

**public void `onInitializeAccessibilityNodeInfo`**  
(`AccessibilityNodeInfo` info)

Added in API level 14

Initializes an `AccessibilityNodeInfo` (</reference/android/view/accessibility/AccessibilityNodeInfo.html>) with information about this view. The base implementation sets:

- `setParent(View)`,
- `setBoundsInParent(Rect)`,
- `setBoundsInScreen(Rect)`,
- `setPackageName(CharSequence)`,
- `setClassName(CharSequence)`,
- `setContentDescription(CharSequence)`,
- `setEnabled(boolean)`,
- `setClickable(boolean)`,
- `setFocusable(boolean)`,
- `setFocused(boolean)`,
- `setLongClickable(boolean)`,
- `setSelected(boolean)`,

Subclasses should override this method, call the super implementation, and set additional attributes.

If an `View.AccessibilityDelegate` (</reference/android/view/View.AccessibilityDelegate.html>) has been specified via calling `setAccessibilityDelegate(AccessibilityDelegate)` ([/reference/android/view/View.html#setAccessibilityDelegate\(android.view.View.AccessibilityDelegate\)](/reference/android/view/View.html#setAccessibilityDelegate(android.view.View.AccessibilityDelegate))) its `onInitializeAccessibilityNodeInfo(View, AccessibilityNodeInfo)` ([/reference/android/view/View.AccessibilityDelegate.html#onInitializeAccessibilityNodeInfo\(android.view.View, android.view.accessibility.AccessibilityNodeInfo\)](/reference/android/view/View.AccessibilityDelegate.html#onInitializeAccessibilityNodeInfo(android.view.View, android.view.accessibility.AccessibilityNodeInfo))) is responsible for handling this call.

### Parameters

*info* The instance to initialize.

**public void `setBaselineAligned`** (boolean  
baselineAligned)

Added in API level 1

Defines whether widgets contained in this layout are baseline-aligned or

not.

### Related XML Attributes

[android:baselineAligned](#)

### Parameters

*baselineAligned* true to align widgets on their baseline, false otherwise

public void **setBaselineAlignedChildIndex** (int i) Added in [API level 1](#)

### Related XML Attributes

[android:baselineAlignedChildIndex](#)

### Parameters

*i* The index of the child that will be used if this layout is part of a larger layout that is baseline aligned.

public void **setDividerDrawable** ([Drawable](#) divider) Added in [API level 11](#)

Set a drawable to be used as a divider between items.

### Related XML Attributes

[android:divider](#)

### Parameters

*divider* Drawable that will divide each item.

### See Also

[setShowDividers\(int\)](#)

public void **setDividerPadding** (int padding) Added in [API level 14](#)

Set padding displayed on both ends of dividers.

### Parameters

*padding* Padding value in pixels that will be applied to each end

### See Also

[setShowDividers\(int\)](#)

[setDividerDrawable\(Drawable\)](#)

[getDividerPadding\(\)](#)

public void **setGravity** (int gravity) Added in [API level 1](#)

Describes how the child views are positioned. Defaults to GRAVITY\_TOP. If this layout has a VERTICAL orientation, this controls where all the child views are placed if there is extra vertical space. If this layout has a HORIZONTAL orientation, this controls the alignment

of the children.

#### Related XML Attributes

[android:gravity](#)

#### Parameters

*gravity* See [Gravity](#)

public void **setHorizontalGravity** (int horizontalGravity) Added in [API level 1](#)

public void **setMeasureWithLargestChildEnabled**  
(boolean enabled)

Added in [API level 11](#)

When set to true, all children with a weight will be considered having the minimum size of the largest child. If false, all children are measured normally. Disabled by default.

#### Related XML Attributes

[android:measureWithLargestChild](#)

#### Parameters

*enabled* True to measure children with a weight using the minimum size of the largest child, false otherwise.

public void **setOrientation** (int orientation) Added in [API level 1](#)

Should the layout be a column or a row.

#### Related XML Attributes

[android:orientation](#)

#### Parameters

*orientation* Pass HORIZONTAL or VERTICAL. Default value is HORIZONTAL.

public void **setShowDividers** (int showDividers) Added in [API level 11](#)

Set how dividers should be shown between items in this layout

#### Parameters

*showDividers* One or more of [SHOW\\_DIVIDER\\_BEGINNING](#), [SHOW\\_DIVIDER\\_MIDDLE](#), or [SHOW\\_DIVIDER\\_END](#), or [SHOW\\_DIVIDER\\_NONE](#) to show no dividers.

public void **setVerticalGravity** (int verticalGravity) Added in [API level 1](#)

**public void `setWeightSum` (float weightSum)** Added in [API level 1](#)

Defines the desired weights sum. If unspecified the weights sum is computed at layout time by adding the `layout_weight` of each child. This can be used for instance to give a single child 50% of the total available space by giving it a `layout_weight` of 0.5 and setting the `weightSum` to 1.0.

#### Parameters

*weightSum* a number greater than 0.0f, or a number lower than or equals to 0.0f if the weight sum should be computed from the children's `layout_weight`

**public boolean `shouldDelayChildPressedState` ()** Added in [API level 14](#)

Return true if the pressed state should be delayed for children or descendants of this `ViewGroup`. Generally, this should be done for containers that can scroll, such as a `List`. This prevents the pressed state from appearing when the user is actually trying to scroll the content. The default implementation returns true for compatibility reasons. Subclasses that do not scroll should generally override this method and return false.

## Protected Methods

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**protected boolean `checkLayoutParams` ([ViewGroup.LayoutParams](#) p)** Added in [API level 1](#)

**protected [LinearLayout.LayoutParams](#) `generateDefaultLayoutParams` ()** Added in [API level 1](#)

Returns a set of layout parameters with a width of [MATCH\\_PARENT](#) ([/reference/android/view/ViewGroup.LayoutParams.html#MATCH\\_PARENT](#)) and a height of [WRAP\\_CONTENT](#) ([/reference/android/view/ViewGroup.LayoutParams.html#WRAP\\_CONTENT](#)) when the layout's orientation is [VERTICAL](#) ([/reference/android/widget/LinearLayout.html#VERTICAL](#)). When the orientation is [HORIZONTAL](#) ([/reference/android/widget/LinearLayout.html#HORIZONTAL](#)), the width is set to [WRAP\\_CONTENT](#) ([/reference/android/view/ViewGroup.LayoutParams.html#WRAP\\_CONTENT](#)) and the height to [WRAP\\_CONTENT](#) ([/reference/android/view/ViewGroup.LayoutParams.html#WRAP\\_CONTENT](#)).

#### Returns

a set of default layout parameters or null



## protected LinearLayout.LayoutParams

**generateLayoutParams** (ViewGroup.LayoutParams p) Added in API level 1

Returns a safe set of layout parameters based on the supplied layout params. When a ViewGroup is passed a View whose layout params do not pass the test of checkLayoutParams(android.view.ViewGroup.LayoutParams) ([/reference/android/view/ViewGroup.html#checkLayoutParams\(android.view.ViewGroup.LayoutParams\)](/reference/android/view/ViewGroup.html#checkLayoutParams(android.view.ViewGroup.LayoutParams))), this method is invoked. This method should return a new set of layout params suitable for this ViewGroup, possibly by copying the appropriate attributes from the specified set of layout params.

### Parameters

*p* The layout parameters to convert into a suitable set of layout parameters for this ViewGroup.

### Returns

an instance of ViewGroup.LayoutParams or one of its descendants

protected void **onDraw** (Canvas canvas)

Added in API level 1

Implement this to do your drawing.

### Parameters

*canvas* the canvas on which the background will be drawn

protected void **onLayout** (boolean changed, int l, int t, int r, int b)

Added in API level 1

Called from layout when this view should assign a size and position to each of its children. Derived classes with children should override this method and call layout on each of their children.

### Parameters

*changed* This is a new size or position for this view  
*l* Left position, relative to parent  
*t* Top position, relative to parent  
*r* Right position, relative to parent  
*b* Bottom position, relative to parent

protected void **onMeasure** (int widthMeasureSpec, int heightMeasureSpec)

Added in API level 1

Measure the view and its content to determine the measured width and the measured height. This method is invoked by measure(int, int)

[\(/reference/android/view/View.html#measure\(int, int\)\)](#) and should be overridden by subclasses to provide accurate and efficient measurement of their contents.

**CONTRACT:** When overriding this method, you *must* call [setMeasuredDimension\(int, int\)](#) [\(/reference/android/view/View.html#setMeasuredDimension\(int, int\)\)](#) to store the measured width and height of this view. Failure to do so will trigger an `IllegalStateException`, thrown by [measure\(int, int\)](#) [\(/reference/android/view/View.html#measure\(int, int\)\)](#). Calling the superclass' [onMeasure\(int, int\)](#) [\(/reference/android/view/View.html#onMeasure\(int, int\)\)](#) is a valid use.

The base class implementation of `measure` defaults to the background size, unless a larger size is allowed by the `MeasureSpec`. Subclasses should override [onMeasure\(int, int\)](#) [\(/reference/android/view/View.html#onMeasure\(int, int\)\)](#) to provide better measurements of their content.

If this method is overridden, it is the subclass's responsibility to make sure the measured height and width are at least the view's minimum height and width ([getSuggestedMinimumHeight\(\)](#) [\(/reference/android/view/View.html#getSuggestedMinimumHeight\(\)\)](#) and [getSuggestedMinimumWidth\(\)](#) [\(/reference/android/view/View.html#getSuggestedMinimumWidth\(\)\)](#)).

### Parameters

- widthMeasureSpec* horizontal space requirements as imposed by the parent. The requirements are encoded with [View.MeasureSpec](#).
- heightMeasureSpec* vertical space requirements as imposed by the parent. The requirements are encoded with [View.MeasureSpec](#).