

# Converting Colors

Hex(303230)

Have a look what the booklet for  
Hex(303230) contains.

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# Color

**Hex(303230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	303230
RGB	48, 50, 48
RGB Percent	19%, 20%, 19%
CMY	0.8118, 0.8039, 0.8118
CMYK	0.04, 0.00, 0.04, 0.80
HSL	120°, 2%, 19%
HSV	120°, 4%, 20%
XYZ	2.8930, 3.1230, 3.2466
YIQ	49.1740, -0.5500, -1.0460

# Conversions

## Conversions Part 2

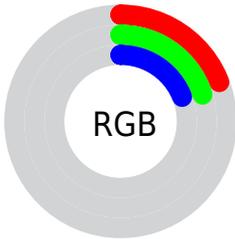
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 50, 50
Decimal	3158576
CIE Lab	20.53, -1.34, 0.96
CIE LCh	21, 1.653, 144.315
Yxy	3.1230, 0.3123, 0.3372
Android (android.graphics.Color)	4281348656 (0xFF303230)
YUV	49.1740, -0.5788, -1.0296
Hunter-Lab	17.6720, -1.7042, 1.4779

# Details

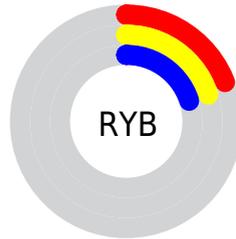
The Hex color **303230** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **323032**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **5E605E**, and **000300** is the 20% darker color. If you saturate the color by 10%, you get **2B322B**, and if you desaturate by 10%, it is **353235**.

# Distribution



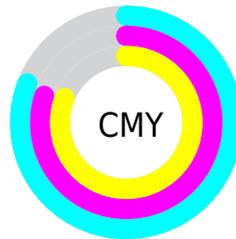
- Red (19%)
- Green (20%)
- Blue (19%)



- Red (19%)
- Yellow (20%)
- Blue (20%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (80%)



- Cyan (81%)
- Magenta (80%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 303230 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 303230 by changing the saturation by 10% instead.

■ 303230

■ 303230

FFFFFF

■ 1B1D1B

■ 5E605E

■ 000300

■ 777977

■ 000000

■ 909390

■ ABADAB

■ C6C9C6

■ E2E5E2

■ 303230

■ 303230

■ 2B322B

■ 353235

■ 263226

■ 3A323A

■ 213221

■ 3F323F

■ 1C321C

■ 443244

■ 173217

■ 493249

■ 123212

■ 4E324E

■ 0D320D

■ 533253

■ 083208

■ 583258

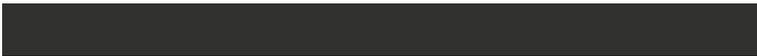
■ 033203

■ 5D325D

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31322F



303230



2F3231

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



303230



303234



343130

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



303230



323032

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



343132



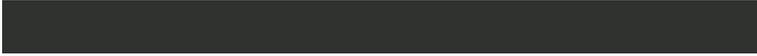
303230



313134

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



303230



2F3233



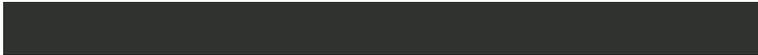
333133



343130

# Rectangle

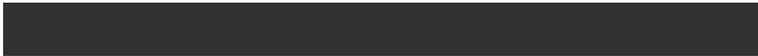
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



303230



2F3232



333133



343131

# Sweetspot

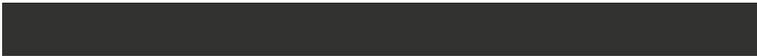
The Sweet Spot groups the original color and five complimentary colors.



303230



3F403F



323230



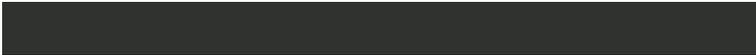
212121



A1A1A1

# Same Dimension

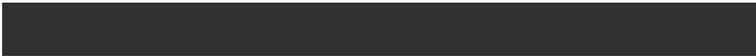
The Same Dimension uses a secret algorithm to generate beautiful new colors.



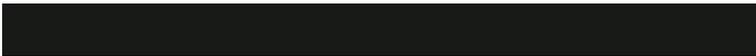
303230



3D403D



303231



181A18



005900



00D900



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



323032



403D40



323031



1A181A



590059

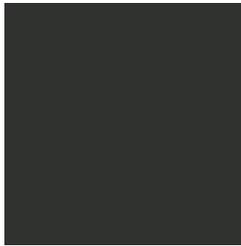


D900D9



# Previews

## White Background



This preview shows how the Hex color 303230 looks on a white background.

## Color Contrast Check

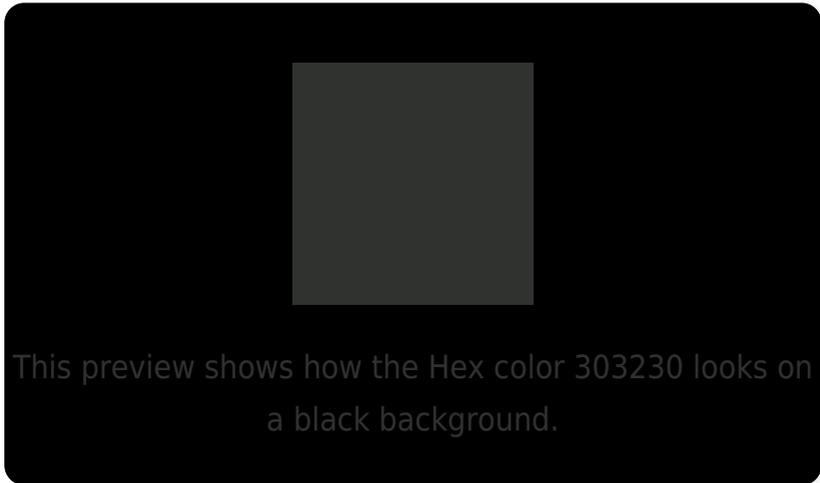
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

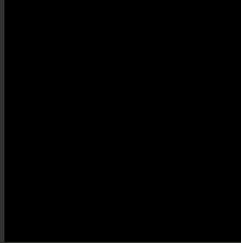
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

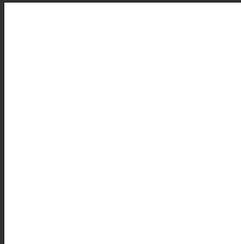
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## Hex 303230 Background



This preview shows how black text looks on a background with the Hex color 303230.



This preview shows how white text looks on a background with the Hex color 303230.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
303230

**Protanopia**  
333130

**Deuteranopia**  
373030



**Tritanopia**  
313135

# Trichromacy



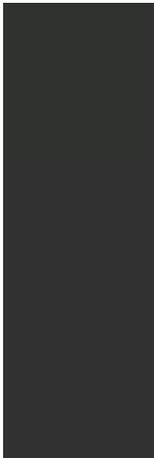
**Original Color**  
303230

**Protanomaly**  
323130

**Deuteranomaly**  
343130

**Tritanomaly**  
313133

# Monochromacy



**Original Color**  
303230

**Achromatopsia**  
313131

**Achromatomaly**  
313131

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 303230 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #303230 looks like.

```
.text, #text, p{  
    color:#303230  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #303230 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #303230
}
```

## Border

The CSS property to change the border of an element to Hex 303230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

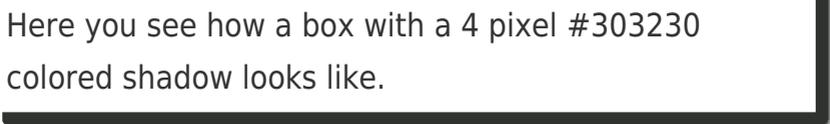
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#303230 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#303230 }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #303230 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #303230; -webkit-box-shadow:4px 4px  
4px 4px #303230; box-shadow:4px 4px 4px  
4px #303230 }
```

# Background

The CSS property to change the background color of an element to Hex 303230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#303230 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#303230 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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