

# Converting Colors

Hex(D03231)

Have a look what the booklet for  
Hex(D03231) contains.

<b>Hex(D03231)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(D03231)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D03231
RGB	208, 50, 49
RGB Percent	82%, 20%, 19%
CMY	0.1843, 0.8039, 0.8078
CMYK	0.00, 0.76, 0.76, 0.18
HSL	0°, 63%, 50%
HSV	0°, 76%, 82%
XYZ	27.7074, 15.9129, 4.5169
YIQ	97.1280, 94.4890, 33.1850

# Conversions

## Conversions Part 2

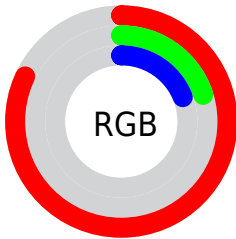
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 50, 49
Decimal	13644337
CIE <sub>Lab</sub>	46.86, 60.58, 39.14
CIE <sub>LCh</sub>	47, 72.128, 32.868
Yxy	15.9129, 0.5756, 0.3306
Android (android.graphics.Color)	4291834417 (0xFFD03231)
YUV	97.1280, -23.7271, 97.2347
Hunter-Lab	39.8909, 54.1733, 21.2102

# Details

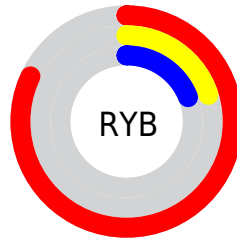
The Hex color **D03231** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31CFD0**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **FF6D60**, and **910004** is the 20% darker color. If you saturate the color by 10%, you get **D01D1C**, and if you desaturate by 10%, it is **D04746**.

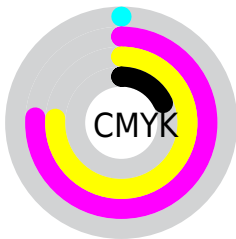
# Distribution



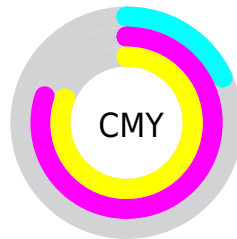
- Red (82%)
- Green (20%)
- Blue (19%)



- Red (82%)
- Yellow (20%)
- Blue (19%)



- Cyan (0%)
- Magenta (76%)
- Yellow (76%)
- Black (18%)



- Cyan (18%)
- Magenta (80%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D03231 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 D03231 by changing the saturation by 10% instead.



 D03231

 D03231

FFFFFF

 B0051B

 FF6D60

 910004

 FF8979

 720000

 FFA693

 540001

 FFC3AE

 370002

 FFE0C9

 0A0000

 FFFDE5

 000000

 D03231

 D03231

 D01D1C

 D04746

 D00907

 D05B5B

 D00100

 D0706F

 D08584

 D09999

 D0AEAE

 D0C3C3

 D0D7D7

 D0ECEC

# Harmonies

## Analogous

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



D6156C



D03231



B15600

# Triad

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



D03231



008533



0075EA

# Complementary

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



D03231



31CFD0

# 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.



0083DC



D03231



008973

# Square

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



D03231



427E00



0088B0



705CD6

# Rectangle

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



D03231



936800



0088B0



007BE9



# Sweetspot

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



D03231



FFC5C4



D031D0



805C5C



000000



808080



# Same Dimension

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



D03231



FF1614



D08031



695E5E



A80100



290000



# Inverse Universe

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



31CFD0



14FEFF



3180D0



5E6869



00A7A8



002929



# Previews

## White Background



This preview shows how the Hex color D03231 looks on a white background.

## Color Contrast Check

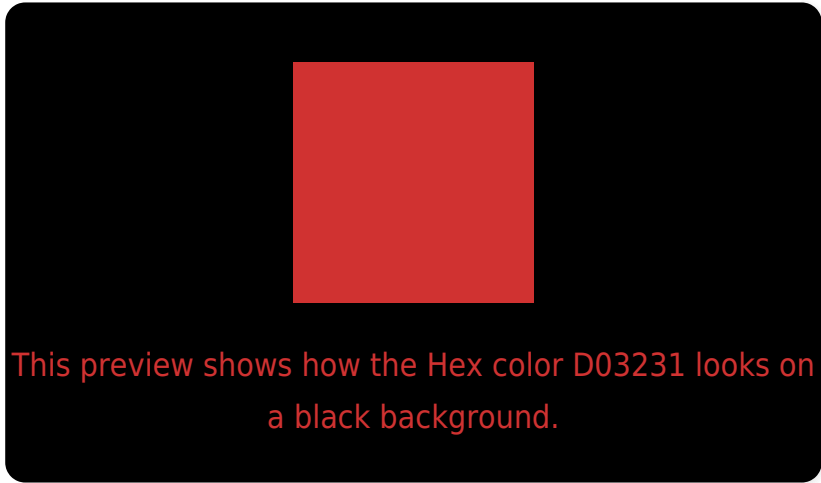
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 D03231 Background



This preview shows how black text looks on a background with the Hex color D03231.



This preview shows how white text looks on a background with the Hex color D03231.

# 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**  
D03231

**Protanopia**  
7A7044

**Deuteranopia**  
8C6A26



# Trichromacy



**Original Color**  
D03231

**Protanomaly**  
99593D

**Deuteranomaly**  
A5562A

**Tritanomaly**  
D03232

# Monochromacy



**Original Color**  
D03231

**Achromatopsia**  
616161

**Achromatomaly**  
895050

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D03231 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 #D03231 looks like.

```
.text, #text, p{  
    color:#D03231  
}
```

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 #D03231 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D03231
}
```

## Border

The CSS property to change the border of an element to Hex D03231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

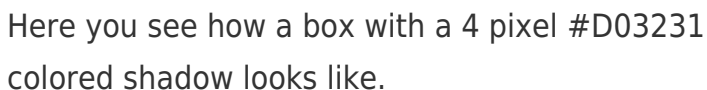
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#D03231 }
```

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

```
.border{ border-color:#D03231 }
```

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



Here you see how a box with a 4 pixel #D03231 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D03231; -webkit-box-shadow:4px 4px  
4px 4px #D03231; box-shadow:4px 4px 4px  
4px #D03231 }
```

# Background

The CSS property to change the background color of an element to Hex D03231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D03231 }
```

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

```
.background{ background-color:#D03231 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor