

# Converting Colors

Hex(4D3231)

Have a look what the booklet for  
Hex(4D3231) contains.

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# Color

**Hex(4D3231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D3231
RGB	77, 50, 49
RGB Percent	30%, 20%, 19%
CMY	0.6980, 0.8039, 0.8078
CMYK	0.00, 0.35, 0.36, 0.70
HSL	2°, 22%, 25%
HSV	2°, 36%, 30%
XYZ	4.7555, 4.0807, 3.4427
YIQ	57.9590, 16.4130, 5.4130

# Conversions

## Conversions Part 2

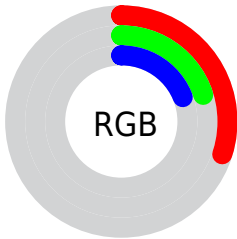
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 50, 49
Decimal	5059121
CIE Lab	23.94, 12.10, 5.61
CIE LCh	24, 13.341, 24.883
Yxy	4.0807, 0.3873, 0.3323
Android (android.graphics.Color)	4283249201 (0xFF4D3231)
YUV	57.9590, -4.4168, 16.6990
Hunter-Lab	20.2008, 6.6698, 4.0360




# Details

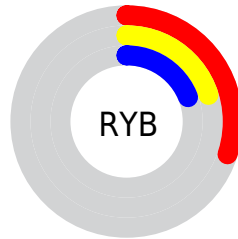
The Hex color **4D3231** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **314C4D**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **7F615F**, and **220401** is the 20% darker color. If you saturate the color by 10%, you get **4D2B29**, and if you desaturate by 10%, it is **4D3939**.

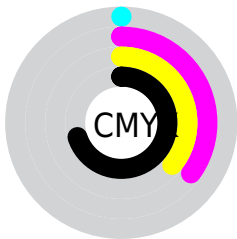
# Distribution







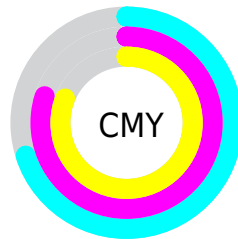
-  Red (30%)
-  Green (20%)
-  Blue (19%)






-  Red (30%)
-  Yellow (20%)
-  Blue (19%)



-  Cyan (0%)
-  Magenta (35%)
-  Yellow (36%)
-  Black (70%)



-  Cyan (70%)
-  Magenta (80%)
-  Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D3231 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 4D3231 by changing the saturation by 10% instead.



■ 4D3231

■ 4D3231

FFFFFF

■ 361D1C

■ 7F615F

■ 220401

■ 997978

■ 000000

■ B49391

■ D0AEAC

■ EDC9C7

■ FFE5E3

■ 4D3231

■ 4D3231

■ 4D2B29

■ 4D3939

 4D2322

 4D4140

 4D1C1A

 4D4848

 4D1412

 4D5050

 4D0D0B

 4D5758

 4D0503

 4D5F5F

 4D0300

 4D6667

 4D6D6F

 4D7576

# Harmonies

## Analogous

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



4B323B



4D3231



493429

# Triad

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



4D3231



2C3D2D



2A3A4D

# Complementary

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



4D3231



314C4D

# 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.



1D3D49



4D3231



213E37

# Square

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



4D3231



373B27



1A3E41



38374B

# Rectangle

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



4D3231



453726



1A3E41



253B4C



# Sweetspot

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



4D3231



635959



4D314C



332D2C



B3B3B3



333333



# Same Dimension

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



4D3231



633938



4D4031



262322



660400



E60800



# Inverse Universe

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



314C4D



386263



313E4D



222626



006266

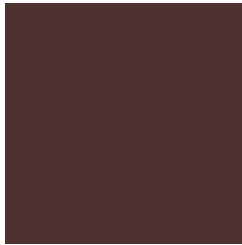


00DDE6



# Previews

## White Background



This preview shows how the Hex color 4D3231 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 4D3231 Background



This preview shows how black text looks on a background with the Hex color 4D3231.

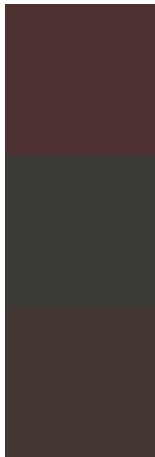


This preview shows how white text looks on a background with the Hex color 4D3231.

# 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**  
4D3231

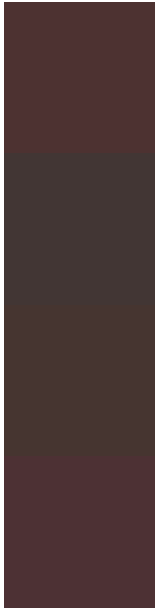
**Protanopia**  
3B3935

**Deuteranopia**  
423730



**Tritanopia**  
4D3135

# Trichromacy



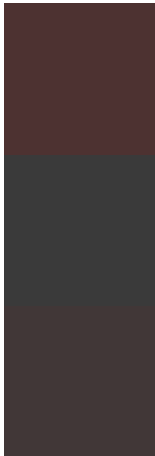
**Original Color**  
4D3231

**Protanomaly**  
423634

**Deuteranomaly**  
463530

**Tritanomaly**  
4D3134

# Monochromacy



**Original Color**  
4D3231

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
413737

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D3231 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 #4D3231 looks like.

```
.text, #text, p{  
    color:#4D3231  
}
```

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 #4D3231 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D3231
}
```

## Border

The CSS property to change the border of an element to Hex 4D3231 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".

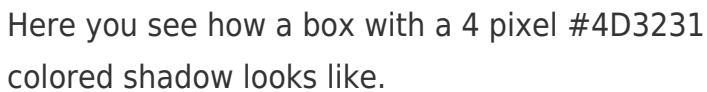
```
.border, #border, table{ border:4px solid
#4D3231 }
```

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

```
.border{ border-color:#4D3231 }
```

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

Here you see how a box with a 4 pixel #4D3231 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D3231; -webkit-box-shadow:4px 4px  
4px 4px #4D3231; box-shadow:4px 4px 4px  
4px #4D3231 }
```

# Background

The CSS property to change the background color of an element to Hex 4D3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D3231 }
```

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

```
.background{ background-color:#4D3231 }
```

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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