

# Converting Colors

Hex(4D3212)

Have a look what the booklet for  
Hex(4D3212) contains.

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**Color**

**Hex(4D3212)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D3212
RGB	77, 50, 18
RGB Percent	30%, 20%, 7%
CMY	0.6980, 0.8039, 0.9294
CMYK	0.00, 0.35, 0.77, 0.70
HSL	33°, 62%, 19%
HSV	33°, 77%, 30%
XYZ	4.3104, 3.9027, 1.0984
YIQ	54.4250, 26.3640, -4.2280

# Conversions

## Conversions Part 2

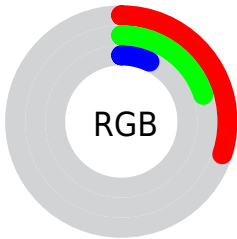
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	68, 77, 18
Decimal	5059090
CIE <sub>Lab</sub>	23.35, 8.71, 24.63
CIE <sub>LCh</sub>	23, 26.119, 70.532
Yxy	3.9027, 0.4629, 0.4191
Android (android.graphics.Color)	4283249170 (0xFF4D3212)
YUV	54.4250, -17.9575, 19.7983
Hunter-Lab	19.7551, 4.3752, 10.5321

# Details

The Hex color **4D3212** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **122D4D**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **81603E**, and **1D0500** is the 20% darker color. If you saturate the color by 10%, you get **4D2E0A**, and if you desaturate by 10%, it is **4D361A**.

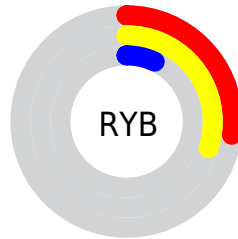
# Distribution



Red (30%)

Green (20%)

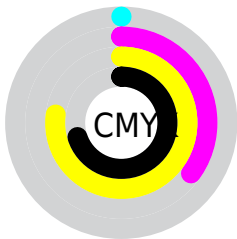
Blue (7%)



Red (27%)

Yellow (30%)

Blue (7%)

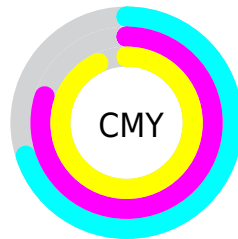


Cyan (0%)

Magenta (35%)

Yellow (77%)

Black (70%)



Cyan (70%)

Magenta (80%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D3212 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 4D3212 by changing the saturation by 10% instead.



 4D3212

 4D3212

 FFFFF5

 351D00

 81603E

 1D0500

 9C7955

 000000

 B7936E

 D4AD88

 F1C9A2

 FFE5BD

 FFFFD9

 4D3212

 4D3212

■ 4D2E0A

■ 4D361A

■ 4D2B03

■ 4D3921

■ 4D2A00

■ 4D3D29

■ 4D4031

■ 4D4439

■ 4D4740

■ 4D4B48

■ 4D4E50

■ 4D5257

# Harmonies

## Analogous

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



582B1F



4D3212



3C390F

# Triad

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



4D3212



00413E



423055

# Complementary

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



4D3212



122D4D

# 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.



21375E



4D3212



004050

# Square

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



4D3212



03402A



003D5C



552945

# Rectangle

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



4D3212



2E3C14



003D5C



393259



# Sweetspot

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



4D3212



63594D



4D122E



332C25



B3B3B3



333333



# Same Dimension

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



4D3212



633A08



4B4D12



262422



663700



E67C00



# Inverse Universe

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



122D4D



083263



14124D



222426



002F66



0069E6



# Previews

## White Background



This preview shows how the Hex color 4D3212 looks on a white background.

## Color Contrast Check

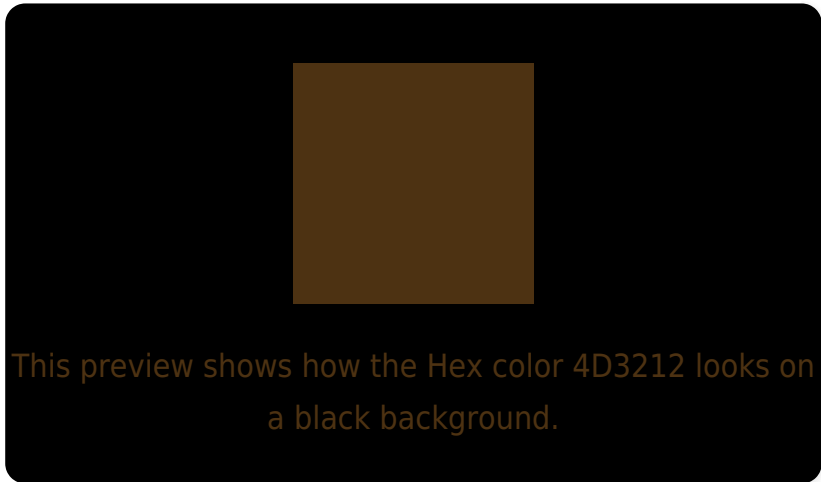
Large Text (above 18pt) WCAG AA ✓ Pass

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

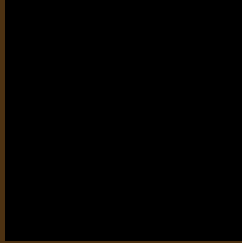
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D3212 Background



This preview shows how black text looks on a background with the Hex color 4D3212.



This preview shows how white text looks on a background with the Hex color 4D3212.

# 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**  
4D3212

**Protanopia**  
3F3814

**Deuteranopia**  
463511



**Tritanopia**  
4F2F32

# Trichromacy



**Original Color**  
4D3212

**Protanomaly**  
443613

**Deuteranomaly**  
493411

**Tritanomaly**  
4E3026

# Monochromacy



**Original Color**  
4D3212

**Achromatopsia**  
363636

**Achromatomaly**  
3E3529

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D3212 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 #4D3212 looks like.

```
.text, #text, p{  
    color:#4D3212  
}
```

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 #4D3212 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D3212
}
```

## Border

The CSS property to change the border of an element to Hex 4D3212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

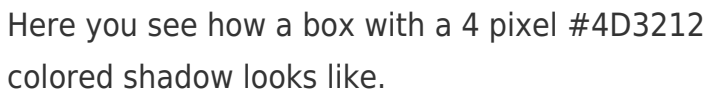
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4D3212 }
```

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

```
.border{ border-color:#4D3212 }
```

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



Here you see how a box with a 4 pixel #4D3212 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D3212; -webkit-box-shadow:4px 4px  
4px 4px #4D3212; box-shadow:4px 4px 4px  
4px #4D3212 }
```

# Background

The CSS property to change the background color of an element to Hex 4D3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D3212 }
```

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

```
.background{ background-color:#4D3212 }
```

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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