

# Converting Colors

Hex(2A2012)

Have a look what the booklet for  
Hex(2A2012) contains.

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# Color

**Hex(2A2012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A2012
RGB	42, 32, 18
RGB Percent	16%, 13%, 7%
CMY	0.8353, 0.8745, 0.9294
CMYK	0.00, 0.24, 0.57, 0.84
HSL	35°, 40%, 12%
HSV	35°, 57%, 16%
XYZ	1.5805, 1.5689, 0.7918
YIQ	33.3940, 10.4540, -2.2340

# Conversions

## Conversions Part 2

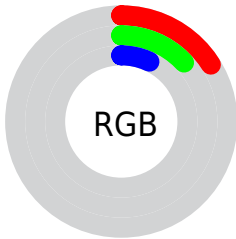
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 42, 18
Decimal	2760722
CIE <sub>Lab</sub>	13.04, 2.45, 11.16
CIE <sub>LCh</sub>	13, 11.423, 77.612
Yxy	1.5689, 0.4010, 0.3981
Android (android.graphics.Color)	4280950802 (0xFF2A2012)
YUV	33.3940, -7.5892, 7.5475
Hunter-Lab	12.5257, 0.6037, 5.0201

# Details

The Hex color **2A2012** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **121C2A**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **584C3C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2A1E0E**, and if you desaturate by 10%, it is **2A2216**.

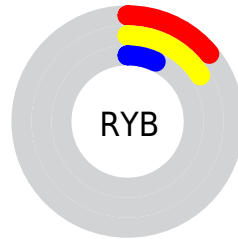
# Distribution



Red (16%)

Green (13%)

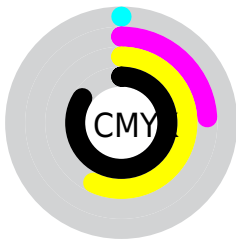
Blue (7%)



Red (14%)

Yellow (16%)

Blue (7%)

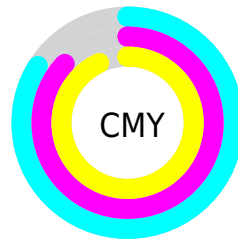


Cyan (0%)

Magenta (24%)

Yellow (57%)

Black (84%)



Cyan (84%)

Magenta (87%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A2012 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 2A2012 by changing the saturation by 10% instead.



■ 2A2012

■ 2A2012

■ FFFFF2

■ 140900

■ 584C3C

■ 000000

■ 716453

■ 8B7D6C

■ A59685

■ C0B19F

■ DCCDBA

■ F9E9D6

■ 2A2012

■ 2A2012

■ 2A1E0E

■ 2A2216

■ 2A1C0A

■ 2A231A

■ 2A1B05

■ 2A251F

■ 2A1901

■ 2A2723

■ 2A1800

■ 2A2927

■ 2A2A2B

■ 2A2C2F

■ 2A2E34

■ 2A3038

# Harmonies

## Analogous

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



2F1D16



2A2012



222312

# Triad

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



2A2012



072626



281E2C

# Complementary

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



2A2012



121C2A

# 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.



1E2131



2A2012



07252D

# Square

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



2A2012



10261E



122331



2F1C25

# Rectangle

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



2A2012



1C2415



122331



251F2E



# Sweetspot

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



2A2012



36322C



2A121C



1C1A16



9C9C9C



1C1C1C



# Same Dimension

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



2A2012



362611



282A12



141412



543100



D47B00



# Inverse Universe

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



121C2A



112036



14122A



121314



002354

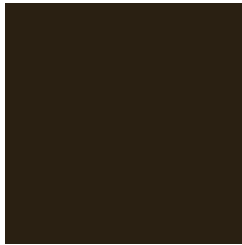


0058D4



# Previews

## White Background



This preview shows how the Hex color 2A2012 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

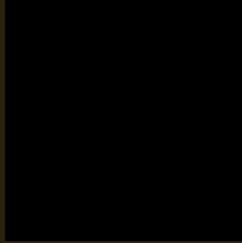
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A2012 Background



This preview shows how black text looks on a background with the Hex color 2A2012.

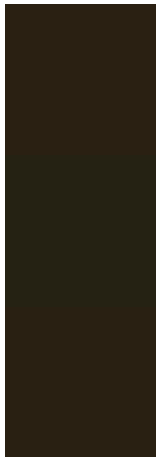


This preview shows how white text looks on a background with the Hex color 2A2012.

# 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**  
2A2012

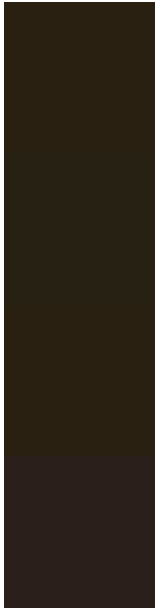
**Protanopia**  
252213

**Deuteranopia**  
292012



**Tritanopia**  
2B1E21

# Trichromacy



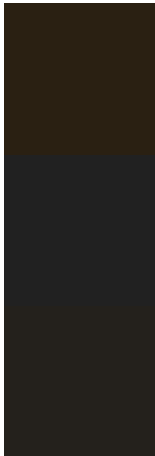
**Original Color**  
2A2012

**Protanomaly**  
272113

**Deuteranomaly**  
292012

**Tritanomaly**  
2B1F1C

# Monochromacy



**Original Color**  
2A2012

**Achromatopsia**  
212121

**Achromatomaly**  
24211C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A2012 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 #2A2012 looks like.

```
.text, #text, p{  
    color:#2A2012  
}
```

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 #2A2012 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A2012
}
```

## Border

The CSS property to change the border of an element to Hex 2A2012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

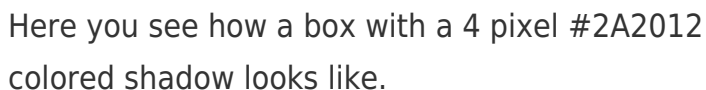
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A2012 }
```

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

```
.border{ border-color:#2A2012 }
```

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



Here you see how a box with a 4 pixel #2A2012 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A2012; -webkit-box-shadow:4px 4px  
4px 4px #2A2012; box-shadow:4px 4px 4px  
4px #2A2012 }
```

# Background

The CSS property to change the background color of an element to Hex 2A2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A2012 }
```

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

```
.background{ background-color:#2A2012 }
```

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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