

# Converting Colors

Hex(2B2106)

Have a look what the booklet for  
Hex(2B2106) contains.

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# Color

Hex(2B2106)

# Conversions

## Conversions Part 1

Format	Color
Hex	2B2106
RGB	43, 33, 6
RGB Percent	17%, 13%, 2%
CMY	0.8314, 0.8706, 0.9765
CMYK	0.00, 0.23, 0.86, 0.83
HSL	44°, 76%, 10%
HSV	44°, 86%, 17%
XYZ	1.5730, 1.6145, 0.4010
YIQ	32.9120, 14.6270, -6.2770

# Conversions

## Conversions Part 2

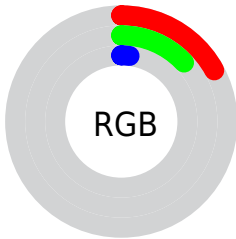
<b>Format</b>	<b>Color</b>
<b>RYB</b>	20, 43, 6
Decimal	2826502
CIELab	13.32, 1.05, 17.23
CIELCh	13, 17.258, 86.518
Yxy	1.6145, 0.4383, 0.4499
Android (android.graphics.Color)	4281016582 (0xFF2B2106)
YUV	32.9120, -13.2676, 8.8472
Hunter-Lab	12.7061, -0.1378, 7.0231

# Details

The Hex color **2B2106** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **06102B**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **594D33**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2B2002**, and if you desaturate by 10%, it is **2B220A**.

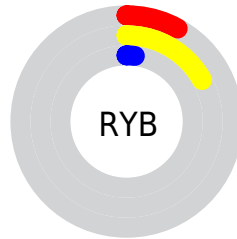
# Distribution



Red (17%)

Green (13%)

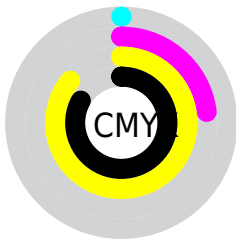
Blue (2%)



Red (8%)

Yellow (17%)

Blue (2%)

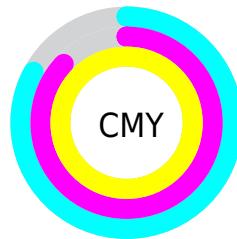


Cyan (0%)

Magenta (23%)

Yellow (86%)

Black (83%)



Cyan (83%)

Magenta (87%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B2106 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 2B2106 by changing the saturation by 10% instead.



 2B2106

 2B2106

 FFFFE7

 130B00

 594D33

 000000

 72654A

 8C7E62

 A7987B

 C2B295

 DFCEAF

 FBEACB

 2B2106

 2B2106

■ 2B2002

■ 2B220A

■ 2B1F00

■ 2B230F

■ 2B2413

■ 2B2617

■ 2B271C

■ 2B2820

■ 2B2924

■ 2B2A28

■ 2B2B2D

# Harmonies

## Analogous

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



341D0D



2B2106



1F250A

# Triad

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



2B2106



00282D



301B30

# Complementary

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



2B2106



06102B

# 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.



212038



2B2106



002736

# Square

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



2B2106



002820



08243A



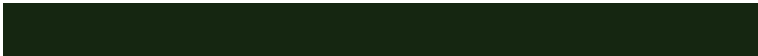
371824

# Rectangle

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



2B2106



152611



08243A



2C1C33



# Sweetspot

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



2B2106



38342A



2B0610



1C1A13



9C9C9C



1C1C1C



# Same Dimension

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



2B2106



382900



232B06



141412



543D00



D49A00



# Inverse Universe

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



06102B



000F38



0E062B



121314



001754

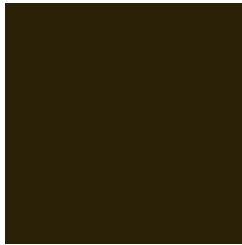


0039D4



# Previews

## White Background



This preview shows how the Hex color 2B2106 looks on a white background.

## Color Contrast Check

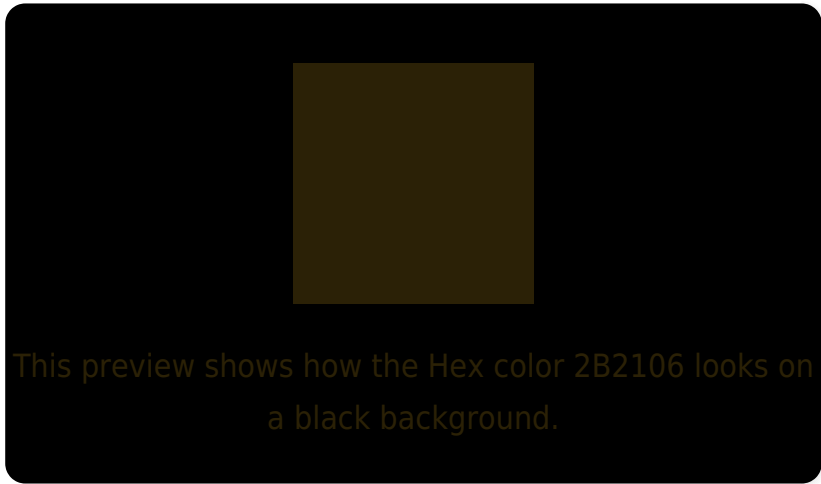
Large Text (above 18pt) WCAG AA ✓ Pass

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

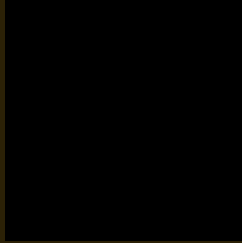
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B2106 Background



This preview shows how black text looks on a background with the Hex color 2B2106.

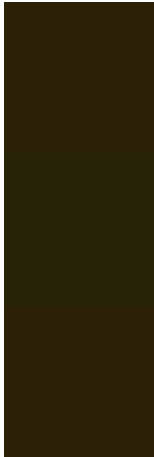


This preview shows how white text looks on a background with the Hex color 2B2106.

# 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**  
2B2106

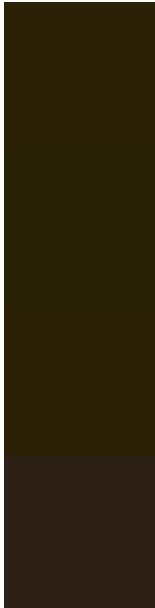
**Protanopia**  
272306

**Deuteranopia**  
2C2106



**Tritanopia**  
2D1F21

# Trichromacy



**Original Color**  
2B2106

**Protanomaly**  
282206

**Deuteranomaly**  
2C2106

**Tritanomaly**  
2C2017

# Monochromacy



**Original Color**  
2B2106

**Achromatopsia**  
212121

**Achromatomaly**  
252117

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B2106 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 #2B2106 looks like.

```
.text, #text, p{  
    color:#2B2106  
}
```

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 #2B2106 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B2106
}
```

## Border

The CSS property to change the border of an element to Hex 2B2106 is called "border". The border property can be set on classes, ids or directly on the HTML element.

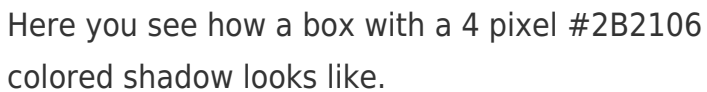
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2B2106 }
```

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

```
.border{ border-color:#2B2106 }
```

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



Here you see how a box with a 4 pixel #2B2106 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B2106; -webkit-box-shadow:4px 4px  
4px 4px #2B2106; box-shadow:4px 4px 4px  
4px #2B2106 }
```

# Background

The CSS property to change the background color of an element to Hex 2B2106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B2106 }
```

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

```
.background{ background-color:#2B2106 }
```

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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