

Converting Colors

`RYB(206, 107, 10)`

Have a look what the booklet for
RYB(206, 107, 10) contains.

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Color

$\text{RYB}(206, 107, 10)$

Conversions

Conversions Part 1

Format	Color
Hex	CE4B0A
RGB	206, 75, 10
RGB Percent	81%, 29%, 4%
CMY	0.1922, 0.7063, 0.9608
CMYK	0.00, 0.64, 0.95, 0.19
HSL	20°, 91%, 42%
HSV	20°, 95%, 81%
XYZ	28.0168, 18.1606, 2.3159
YIQ	106.7590, 98.9410, 7.5570

Conversions

Conversions Part 2

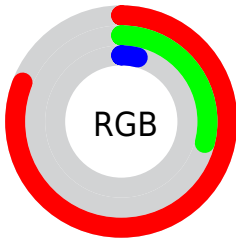
Format	Color
RYB	206, 107, 10
Decimal	13519626
CIELab	49.69, 49.61, 57.85
CIElCh	50, 76.206, 49.382
Yxy	18.1606, 0.5777, 0.3745
Android (android.graphics.Color)	4291709706 (0xFFCE4B0A)
YUV	106.7590, -47.7022, 87.0344
Hunter-Lab	42.6153, 42.7757, 26.6087

Details

The RYB color **206, 107, 10** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **10, 89, 206**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **255, 162, 65**, and **143, 16, 0** is the 20% darker color. If you saturate the color by 10%, you get **206, 102, 0**, and if you desaturate by 10%, it is **206, 118, 31**.

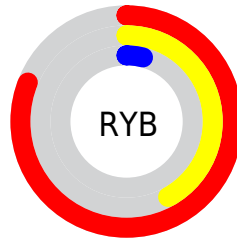
Distribution



Red (81%)

Green (29%)

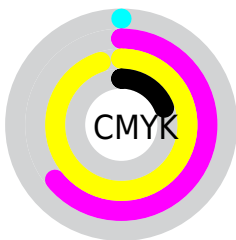
Blue (4%)



Red (81%)

Yellow (42%)

Blue (4%)

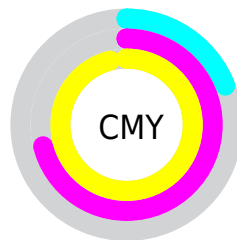


Cyan (0%)

Magenta (64%)

Yellow (95%)

Black (19%)



Cyan (19%)




















Magenta (71%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the RYB color 206, 107, 10 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 RYB color 206, 107, 10 by changing the saturation by 10% instead.

 206, 107, 10	 206, 107, 10
 255, 255, 255	 174, 64, 0
 255, 162, 65	 143, 16, 0
 255, 199, 91	 112, 0, 0
 255, 247, 117	 82, 0, 0
 210, 255, 143	 56, 0, 2
 186, 255, 171	 13, 0, 0
 198, 255, 198	 0, 0, 0
 227, 255, 227	
 206, 107, 10	 206, 107, 10

■ 206, 102, 0

■ 206, 118, 31

■ 206, 127, 51

■ 206, 138, 72

■ 206, 149, 92

■ 206, 160, 113

■ 206, 170, 134

■ 206, 179, 154

■ 206, 190, 175

■ 206, 201, 195

Harmonies

Analogous

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



228, 32, 80



206, 107, 10



85, 163, 0

Triad

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



206, 107, 10



0, 88, 144



30, 89, 242

Complementary

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



206, 107, 10



10, 89, 206

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.



0, 86, 247



206, 107, 10



0, 76, 160

Square

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



206, 107, 10



0, 125, 139



0, 86, 216



171, 76, 204

Rectangle

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



206, 107, 10



3, 125, 0



0, 86, 216



0, 81, 248

Sweetspot

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



206, 107, 10



255, 219, 181



206, 10, 144



128, 106, 83



0, 0, 0



128, 128, 128

Same Dimension

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



206, 107, 10



255, 125, 0



54, 206, 10



102, 96, 92



166, 82, 0



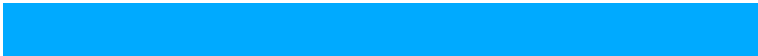
38, 20, 0

Inverse Universe

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



10, 89, 206



0, 102, 255



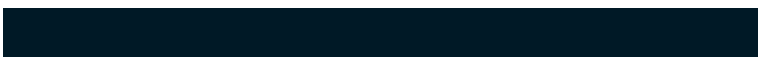
10, 40, 206



92, 96, 102



0, 67, 166



0, 15, 38

Previews

White Background



This preview shows how the RYB color 206, 107, 10 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



This preview shows how the RYB color 206, 107, 10 looks on a black 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

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

RYB 206, 107, 10 Background



This preview shows how black text looks on a background with the RYB color 206, 107, 10.



This preview shows how white text looks on a background with the RYB color 206, 107, 10.

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
206, 107, 10

Protanopia
41, 134, 24

Deuteranopia
49, 150, 0



Tritanopia
208, 70, 74

Trichromacy



Original Color

206, 107, 10

Protanomaly

115, 160, 19

Deuteranomaly

128, 170, 4

Tritanomaly

207, 75, 51

Monochromacy



Original Color

206, 107, 10

Achromatopsia

107, 107, 107

Achromatomaly

143, 106, 72

CSS Examples

Text

The CSS property to change the color of the text to RYB 206, 107, 10 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 `rgb(206, 75, 10)` looks like.

```
.text, #text, p{  
    color:rgb(206, 75, 10)  
}
```

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 rgb(206, 75, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 75, 10) }
```

Border

The CSS property to change the border of an element to RYB 206, 107, 10 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 rgb(206, 75, 10) }
```

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

```
.border{ border-color:rgb(206, 75, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 75, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 75, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 75, 10);  
box-shadow:4px 4px 4px 4px rgb(206, 75,  
10) }
```

Background

The CSS property to change the background color of an element to RGB 206, 107, 10 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 75, 10) }
```

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

```
.background{ background-color: rgb(206, 75,  
10) }
```

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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