

Converting Colors

`RYB(166, 45, 11)`

Have a look what the booklet for
RYB(166, 45, 11) contains.

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Color

$\text{RYB}(166, 45, 11)$

Conversions

Conversions Part 1

Format	Color
Hex	A6270B
RGB	166, 39, 11
RGB Percent	65%, 15%, 4%
CMY	0.3490, 0.8475, 0.9569
CMYK	0.00, 0.77, 0.93, 0.35
HSL	11°, 88%, 35%
HSV	11°, 93%, 65%
XYZ	16.5080, 9.5746, 1.2946
YIQ	73.7810, 84.6800, 18.2160

Conversions

Conversions Part 2

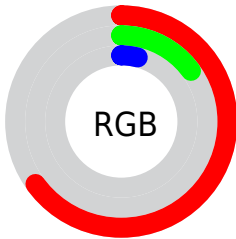
Format	Color
R _Y B	166, 45, 11
Decimal	10888971
CIE Lab	37.07, 50.23, 45.85
CIE LCh	37, 68.007, 42.390
Yxy	9.5746, 0.6030, 0.3497
Android (android.graphics.Color)	4289079051 (0xFFA6270B)
YUV	73.7810, -30.9510, 80.8761
Hunter-Lab	30.9428, 41.0800, 19.1793

Details

The RYB color **166, 45, 11** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **11, 81, 166**, and the grayscale version is **74, 74, 74**.

A 20% lighter version of the original color is **229, 103, 59**, and **105, 0, 0** is the 20% darker color. If you saturate the color by 10%, you get **166, 37, 0**, and if you desaturate by 10%, it is **166, 57, 28**.

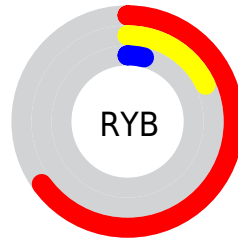
Distribution



Red (65%)

Green (15%)

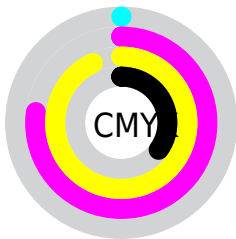
Blue (4%)



Red (65%)

Yellow (18%)

Blue (4%)

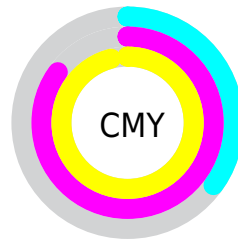


Cyan (0%)

Magenta (77%)

Yellow (93%)

Black (35%)



Cyan (35%)


















Magenta (85%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 45, 11 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 166, 45, 11 by changing the saturation by 10% instead.

 166, 45, 11	 166, 45, 11
 244, 255, 244	 136, 0, 0
 229, 103, 59	 105, 0, 0
 255, 132, 83	 75, 0, 0
 255, 165, 108	 48, 0, 2
 255, 201, 134	 0, 0, 0
 255, 246, 160	
 219, 255, 188	
 216, 255, 216	
 166, 45, 11	 166, 45, 11

■ 166, 37, 0

■ 166, 57, 28

■ 166, 71, 44

■ 166, 84, 61

■ 166, 97, 77

■ 166, 110, 94

■ 166, 123, 111

■ 166, 136, 127

■ 166, 149, 144

■ 166, 161, 160

Harmonies

Analogous

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



180, 0, 67



166, 45, 11



113, 133, 0

Triad

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



166, 45, 11



0, 73, 108



0, 60, 196

Complementary

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



166, 45, 11



11, 81, 166

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, 67, 193



166, 45, 11



0, 55, 110

Square

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



166, 45, 11



0, 103, 103



0, 65, 161



114, 59, 169

Rectangle

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



166, 45, 11



19, 103, 0



0, 65, 161



0, 64, 199

Sweetspot

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



166, 45, 11



217, 169, 156



166, 11, 140



110, 81, 72



237, 237, 237



110, 110, 110

Same Dimension

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



166, 45, 11



217, 48, 0



89, 166, 11



84, 77, 76



148, 33, 0



20, 5, 0

Inverse Universe

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



11, 81, 166



0, 98, 217



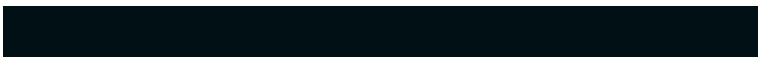
11, 50, 166



76, 80, 84



0, 67, 148



0, 9, 20

Previews

White Background



This preview shows how the RYB color 166, 45, 11 looks on a white background.

Color Contrast Check

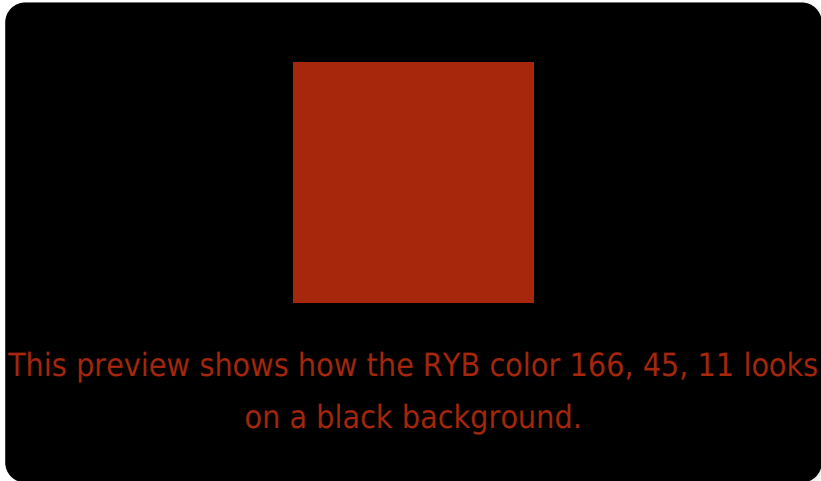
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

RYB 166, 45, 11 Background



This preview shows how black text looks on a background with the RYB color 166, 45, 11.



This preview shows how white text looks on a background with the RYB color 166, 45, 11.

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

166, 45, 11

Protanopia

35, 99, 23

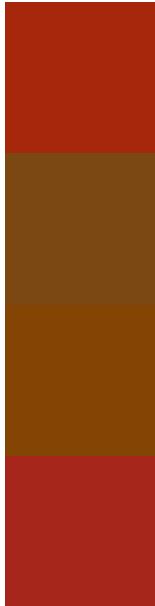
Deuteranopia

37, 112, 0



Tritanopia
166, 37, 37

Trichromacy



Original Color

166, 45, 11

Protanomaly

123, 123, 19

Deuteranomaly

132, 132, 4

Tritanomaly

166, 39, 28

Monochromacy



Original Color

166, 45, 11

Achromatopsia

74, 74, 74

Achromatomaly

107, 63, 51

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 45, 11 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(166, 39, 11)` looks like.

```
.text, #text, p{  
    color:rgb(166, 39, 11)  
}
```

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(166, 39, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 39, 11) }
```

Border

The CSS property to change the border of an element to RYB 166, 45, 11 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(166, 39, 11) }
```

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

```
.border{ border-color:rgb(166, 39, 11) }
```

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

Here you see how a box with a 4 pixel rgb(166, 39, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 39, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 39, 11);  
box-shadow:4px 4px 4px 4px rgb(166, 39,  
11) }
```

Background

The CSS property to change the background color of an element to RYB 166, 45, 11 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 39, 11) }
```

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

```
.background{ background-color: rgb(166, 39,  
11) }
```

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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