

Converting Colors

`RYB(100, 48, 185)`

Have a look what the booklet for
RYB(100, 48, 185) contains.

RYB(100, 48, 185)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(100, 48, 185)

Conversions

Conversions Part 1

Format	Color
Hex	6430B9
RGB	100, 48, 185
RGB Percent	39%, 19%, 73%
CMY	0.6078, 0.8118, 0.2745
CMYK	0.46, 0.74, 0.00, 0.27
HSL	263°, 59%, 46%
HSV	263°, 74%, 73%
XYZ	15.0694, 8.3260, 46.7118
YIQ	79.1660, -12.9850, 53.6310

Conversions

Conversions Part 2

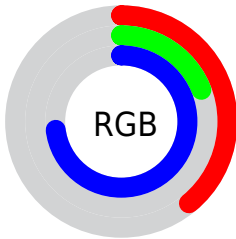
Format	Color
R_{YB}	100, 48, 185
Decimal	6566073
CIE _{Lab}	34.65, 52.29, -63.51
CIE _{LCh}	35, 82.263, 309.465
Yxy	8.3260, 0.2149, 0.1188
Android (android.graphics.Color)	4284756153 (0xFF6430B9)
YUV	79.1660, 52.1762, 18.2714
Hunter-Lab	28.8548, 42.7257, -75.7835

Details

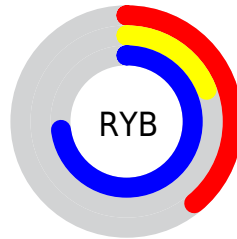
The RYB color **100, 48, 185** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **48, 185, 100**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **158, 99, 242**, and **38, 0, 131** is the 20% darker color. If you saturate the color by 10%, you get **89, 30, 185**, and if you desaturate by 10%, it is **111, 67, 185**.

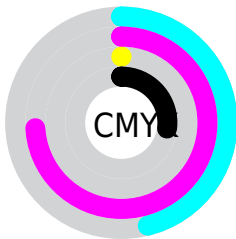
Distribution



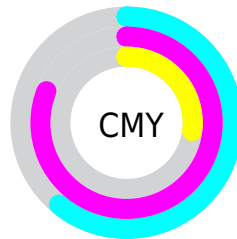
- Red (39%)
- Green (19%)
- Blue (73%)



- Red (39%)
- Yellow (19%)
- Blue (73%)



- Cyan (46%)
- Magenta (74%)
- Yellow (0%)
- Black (27%)



- Cyan (61%)
- Magenta (81%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the RYB color 100, 48, 185 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 100, 48, 185 by changing the saturation by 10% instead.

 100, 48, 185

 100, 48, 185


255, 255, 255

 71, 21, 157

 158, 99, 242

 38, 0, 131

 187, 125, 255

 0, 0, 105

 216, 152, 255

 0, 0, 80

 246, 180, 255

 0, 5, 55

 255, 208, 255

 0, 2, 33

 255, 236, 255

 0, 0, 6

 0, 0, 0

 100, 48, 185

 100, 48, 185

■ 89, 30, 185

■ 111, 67, 185

■ 77, 11, 185

■ 123, 85, 185

■ 70, 0, 185

■ 134, 104, 185

■ 146, 122, 185

■ 157, 141, 185

■ 169, 159, 185

■ 180, 178, 185

■ 185, 196, 189

■ 185, 214, 196

Harmonies

Analogous

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



0, 61, 215



100, 48, 185



170, 0, 129

Triad

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



100, 48, 185



135, 108, 0



0, 54, 106

Complementary

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



100, 48, 185



48, 185, 100

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, 80, 103



100, 48, 185



0, 86, 4

Square

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



100, 48, 185



174, 0, 0



0, 98, 98



0, 65, 165

Rectangle

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



100, 48, 185



187, 0, 86



0, 98, 98



0, 60, 105

Sweetspot

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



100, 48, 185



207, 187, 240



48, 101, 185



101, 89, 120



247, 247, 247



120, 120, 120

Same Dimension

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



100, 48, 185



107, 26, 240



167, 48, 185



86, 83, 92



59, 0, 156



11, 0, 28

Inverse Universe

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



185, 48, 133



240, 26, 159



48, 185, 167



92, 83, 88



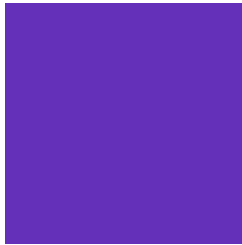
156, 0, 97



28, 0, 17

Previews

White Background



This preview shows how the RYB color 100, 48, 185 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



This preview shows how the RYB color 100, 48, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

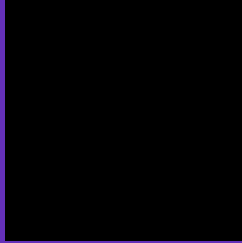
Any Text WCAG AA × Fail

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](#).

R Y B 100, 48, 185 Background



This preview shows how black text looks on a background with the RYB color 100, 48, 185.

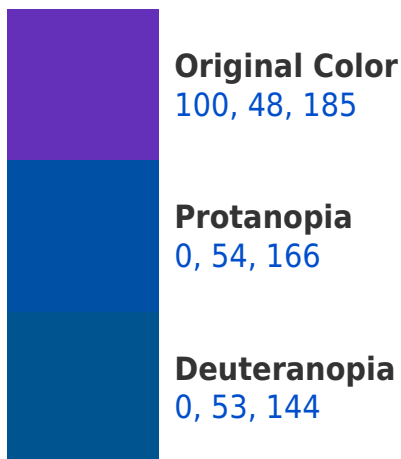


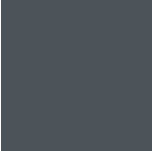
This preview shows how white text looks on a background with the RYB color 100, 48, 185.

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





Tritanopia

76, 81, 89

Trichromacy



Original Color

100, 48, 185



Protanomaly

36, 62, 173



Deuteranomaly

36, 63, 159



Tritanomaly

85, 70, 124

Monochromacy



Original Color

100, 48, 185



Achromatopsia

79, 79, 79



Achromatomaly

87, 68, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 48, 185 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(100, 48, 185)` looks like.

```
.text, #text, p{  
    color:rgb(100, 48, 185)  
}
```

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(100, 48, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 48, 185) }
```

Border

The CSS property to change the border of an element to RYB 100, 48, 185 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(100, 48, 185) }
```

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

```
.border{ border-color:rgb(100, 48, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 48, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 48, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 48, 185);  
box-shadow:4px 4px 4px 4px rgb(100, 48,  
185) }
```

Background

The CSS property to change the background color of an element to RGB 100, 48, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 48, 185) }
```

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

```
.background{ background-color: rgb(100, 48,  
185) }
```

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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