

Converting Colors

`RYB(188, 122, 235)`

Have a look what the booklet for
RYB(188, 122, 235) contains.

RYB(188, 122, 235)	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(188, 122, 235)

Conversions

Conversions Part 1

Format	Color
Hex	BC7AEB
RGB	188, 122, 235
RGB Percent	74%, 48%, 92%
CMY	0.2627, 0.5216, 0.0784
CMYK	0.20, 0.48, 0.00, 0.08
HSL	275°, 74%, 70%
HSV	275°, 48%, 92%
XYZ	42.6940, 30.6086, 82.2551
YIQ	154.6160, 3.0630, 49.1350

Conversions

Conversions Part 2

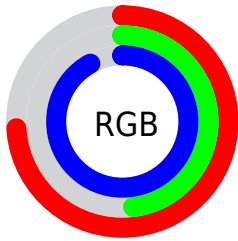
Format	Color
RYB	188, 122, 235
Decimal	12352235
CIELab	62.18, 45.96, -47.36
CIElCh	62, 65.998, 314.137
Yxy	30.6086, 0.2745, 0.1968
Android (android.graphics.Color)	4290542315 (0xFFBC7AEB)
YUV	154.6160, 39.6293, 29.2778
Hunter-Lab	55.3250, 40.9285, -49.4225

Details

The RYB color **188, 122, 235** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **122, 235, 188**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **246, 176, 255**, and **132, 71, 179** is the 20% darker color. If you saturate the color by 10%, you get **178, 98, 235**, and if you desaturate by 10%, it is **198, 146, 235**.

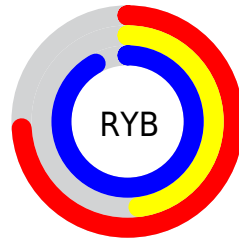
Distribution



Red (74%)

Green (48%)

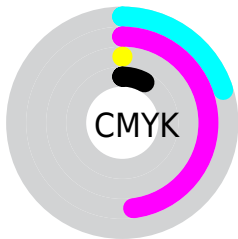
Blue (92%)



Red (74%)

Yellow (48%)

Blue (92%)

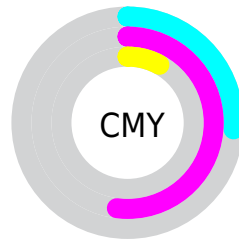


Cyan (20%)

Magenta (48%)

Yellow (0%)

Black (8%)



Cyan (26%)

Magenta (52%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 122, 235 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 188, 122, 235 by changing the saturation by 10% instead.

 188, 122, 235


255, 255, 255

 246, 176, 255

 255, 204, 255

 255, 233, 255


 188, 122, 235

 160, 96, 206

 132, 71, 179

 105, 45, 151

 78, 19, 125

 51, 0, 100

 26, 0, 75


 0, 0, 51

 0, 2, 29

 0, 0, 0


 188, 122, 235


 188, 122, 235

 178, 98, 235

 198, 146, 235

 168, 75, 235

 208, 169, 235

 159, 52, 235

 217, 193, 235

 149, 28, 235

 227, 216, 235

 139, 4, 235

 235, 240, 238

 137, 0, 235

 235, 255, 243

 235, 255, 235

Harmonies

Analogous

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



80, 129, 255



188, 122, 235



240, 98, 184

Triad

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



188, 122, 235



134, 205, 23



0, 89, 178

Complementary

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



188, 122, 235



122, 235, 188

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, 106, 176



188, 122, 235



8, 156, 11

Square

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



188, 122, 235



241, 123, 71



59, 169, 143



0, 100, 231

Rectangle

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



188, 122, 235



254, 91, 145



59, 169, 143



0, 95, 178

Sweetspot

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



188, 122, 235



240, 219, 255



122, 155, 235



118, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 122, 235



193, 107, 255



235, 122, 226



112, 106, 117



106, 0, 181



31, 0, 54

Inverse Universe

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



235, 122, 169



255, 107, 169



122, 227, 235



117, 106, 110



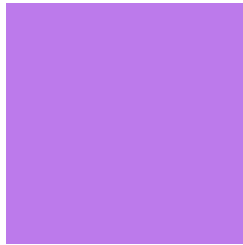
181, 0, 75



54, 0, 22

Previews

White Background



This preview shows how the RYB color 188, 122, 235 looks on a white background.

Color Contrast Check

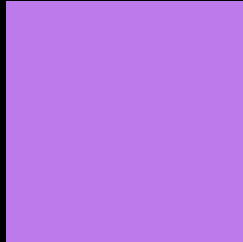
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 188, 122, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

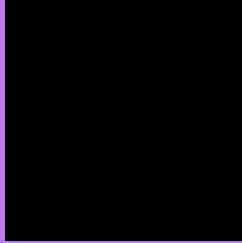
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 188, 122, 235 Background



This preview shows how black text looks on a background with the RYB color 188, 122, 235.

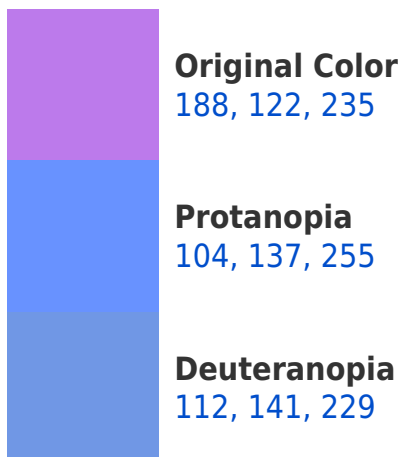



This preview shows how white text looks on a background with the RYB color 188, 122, 235.

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
175, 141, 152

Trichromacy



Original Color

188, 122, 235



Protanomaly

135, 138, 248



Deuteranomaly

140, 140, 231



Tritanomaly

180, 134, 182

Monochromacy



Original Color

188, 122, 235



Achromatopsia

155, 155, 155



Achromatomaly

167, 143, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 122, 235 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(188, 122, 235)` looks like.

```
.text, #text, p{  
    color:rgb(188, 122, 235)  
}
```

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(188, 122, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 122, 235) }
```

Border

The CSS property to change the border of an element to RYB 188, 122, 235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

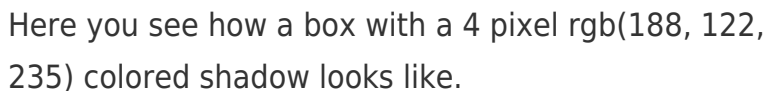
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 122, 235) }
```

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

```
.border{ border-color:rgb(188, 122, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 122, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 122, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 122, 235); box-shadow:4px 4px 4px 4px rgb(188, 122, 235) }
```

Background

The CSS property to change the background color of an element to RYB 188, 122, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 122, 235) }
```

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

```
.background{ background-color: rgb(188,  
122, 235) }
```

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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