

Converting Colors

`RYB(188, 123, 210)`

Have a look what the booklet for
RYB(188, 123, 210) contains.

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Color

R_YB(188, 123, 210)

Conversions

Conversions Part 1

Format	Color
Hex	BC7BD2
RGB	188, 123, 210
RGB Percent	74%, 48%, 82%
CMY	0.2627, 0.5176, 0.1765
CMYK	0.10, 0.41, 0.00, 0.18
HSL	285°, 49%, 65%
HSV	285°, 41%, 82%
XYZ	39.4549, 29.5104, 64.5894
YIQ	152.3530, 10.8130, 40.8370

Conversions

Conversions Part 2

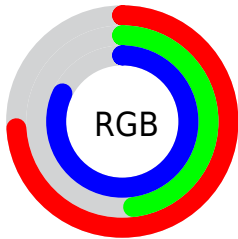
Format	Color
RYB	188, 123, 210
Decimal	12352466
CIELab	61.23, 40.10, -34.89
CIELCh	61, 53.154, 318.971
Yxy	29.5104, 0.2954, 0.2210
Android (android.graphics.Color)	4290542546 (0xFFBC7BD2)
YUV	152.3530, 28.4200, 31.2624
Hunter-Lab	54.3235, 34.5774, -32.4680

Details

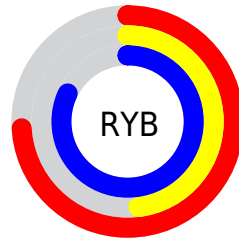
The RYB color **188, 123, 210** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **123, 210, 188**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **245, 177, 255**, and **133, 72, 155** is the 20% darker color. If you saturate the color by 10%, you get **183, 102, 210**, and if you desaturate by 10%, it is **193, 144, 210**.

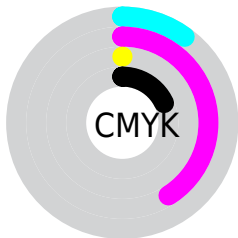
Distribution



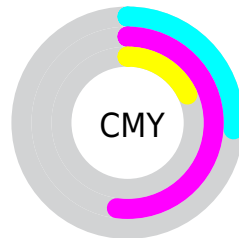
- Red (74%)
- Green (48%)
- Blue (82%)



- Red (74%)
- Yellow (48%)
- Blue (82%)



- Cyan (10%)
- Magenta (41%)
- Yellow (0%)
- Black (18%)



- Cyan (26%)
- Magenta (52%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 123, 210 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, 123, 210 by changing the saturation by 10% instead.


 188, 123, 210

 188, 123, 210

255, 255, 255

 160, 97, 182


 245, 177, 255

 133, 72, 155

 255, 205, 255

 107, 47, 129

 255, 233, 255

 81, 22, 103

 56, 0, 79

 35, 0, 56


 0, 0, 33


 0, 0, 6

 0, 0, 0


 188, 123, 210

 188, 123, 210

 183, 102, 210

 193, 144, 210

 177, 81, 210


 199, 165, 210

 172, 60, 210

 204, 186, 210

 167, 39, 210

 209, 207, 210

 161, 18, 210

 210, 228, 223

 157, 0, 210

 210, 249, 239

 210, 255, 240

 210, 255, 235

 210, 255, 229

Harmonies

Analogous

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



119, 138, 237



188, 123, 210



225, 108, 167

Triad

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



188, 123, 210



127, 188, 51



0, 87, 177

Complementary

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



188, 123, 210



123, 210, 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, 97, 170



188, 123, 210



53, 154, 62

Square

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



188, 123, 210



220, 140, 78



83, 165, 159



0, 95, 218

Rectangle

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



188, 123, 210



234, 106, 135



83, 165, 159



0, 88, 171

Sweetspot

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



188, 123, 210



247, 224, 255



123, 141, 210



123, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 123, 210



223, 128, 255



210, 123, 190



102, 94, 105



126, 0, 168



30, 0, 41

Inverse Universe

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



210, 123, 145



255, 128, 160



123, 194, 210



105, 94, 97



168, 0, 43



41, 0, 10

Previews

White Background



This preview shows how the RYB color 188, 123, 210 looks on a white background.

Color Contrast Check

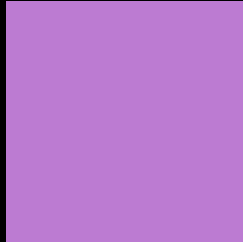
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

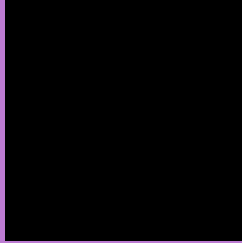
Any Text WCAG AA ✓ Pass

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 188, 123, 210 Background



This preview shows how black text looks on a background with the RYB color 188, 123, 210.

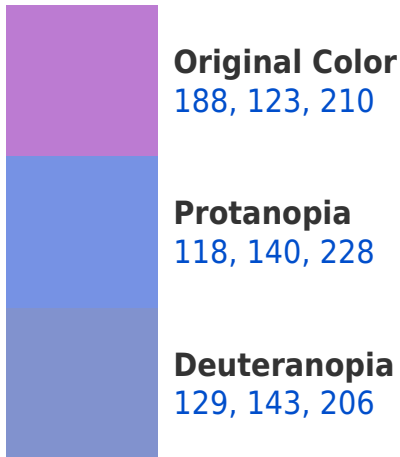


This preview shows how white text looks on a background with the RYB color 188, 123, 210.

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
179, 137, 147

Trichromacy



Original Color

188, 123, 210



Protanomaly

143, 137, 221



Deuteranomaly

150, 138, 207



Tritanomaly

182, 132, 170

Monochromacy



Original Color

188, 123, 210



Achromatopsia

152, 152, 152



Achromatomaly

165, 141, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 123, 210 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, 123, 210)` looks like.

```
.text, #text, p{  
    color:rgb(188, 123, 210)  
}
```

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, 123, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 123, 210) }
```

Border

The CSS property to change the border of an element to RYB 188, 123, 210 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, 123, 210) }
```

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

```
.border{ border-color:rgb(188, 123, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 123, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 123, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 123, 210);  
box-shadow:4px 4px 4px 4px rgb(188, 123,  
210) }
```

Background

The CSS property to change the background color of an element to RYB 188, 123, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 123, 210) }
```

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

```
.background{ background-color: rgb(188,  
123, 210) }
```

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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