

Converting Colors

`RYB(186, 113, 209)`

Have a look what the booklet for
RYB(186, 113, 209) contains.

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Color

R_YB(186, 113, 209)

Conversions

Conversions Part 1

Format	Color
Hex	BA71D1
RGB	186, 113, 209
RGB Percent	73%, 44%, 82%
CMY	0.2706, 0.5569, 0.1804
CMYK	0.11, 0.46, 0.00, 0.18
HSL	286°, 51%, 63%
HSV	286°, 46%, 82%
XYZ	37.6635, 26.8528, 63.5196
YIQ	145.7710, 12.6920, 45.3320

Conversions

Conversions Part 2

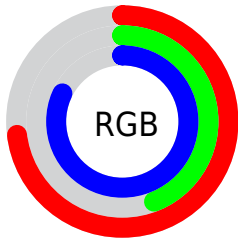
Format	Color
RYB	186, 113, 209
Decimal	12218833
CIELab	58.84, 44.67, -38.08
CIELCh	59, 58.704, 319.554
Yxy	26.8528, 0.2942, 0.2097
Android (android.graphics.Color)	4290408913 (0xFFBA71D1)
YUV	145.7710, 31.1719, 35.2808
Hunter-Lab	51.8197, 39.0524, -36.4028

Details

The RYB color **186, 113, 209** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **113, 209, 186**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **244, 167, 255**, and **131, 62, 154** is the 20% darker color. If you saturate the color by 10%, you get **181, 92, 209**, and if you desaturate by 10%, it is **191, 134, 209**.

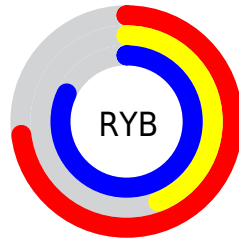
Distribution



Red (73%)

Green (44%)

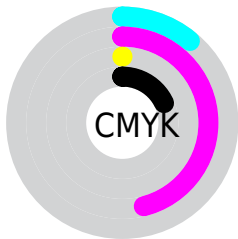
Blue (82%)



Red (73%)

Yellow (44%)

Blue (82%)

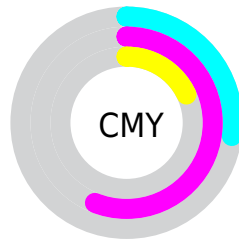


Cyan (11%)

Magenta (46%)

Yellow (0%)

Black (18%)



Cyan (27%)

Magenta (56%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 113, 209 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 186, 113, 209 by changing the saturation by 10% instead.


 186, 113, 209

 186, 113, 209

255, 255, 255

 158, 87, 181

 244, 167, 255

 131, 62, 154

 255, 194, 255

 104, 36, 128

 255, 223, 255

 78, 5, 102

 255, 252, 255

 53, 0, 78

 32, 0, 55


 0, 2, 32


 0, 0, 4

 0, 0, 0


 186, 113, 209


 186, 113, 209


 181, 92, 209


 191, 134, 209


 176, 71, 209

 196, 155, 209

 171, 50, 209

 201, 176, 209

 166, 29, 209

 206, 197, 209

 161, 9, 209

 209, 218, 216

 159, 0, 209

 209, 238, 231

 209, 255, 243

 209, 255, 238

 209, 255, 233

Harmonies

Analogous

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



108, 130, 239



186, 113, 209



226, 95, 162

Triad

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



186, 113, 209



104, 183, 30



0, 85, 175

Complementary

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



186, 113, 209



113, 209, 186

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, 95, 165



186, 113, 209



32, 149, 45

Square

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



186, 113, 209



218, 134, 64



71, 160, 159



0, 93, 219

Rectangle

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



186, 113, 209



235, 92, 127



71, 160, 159



0, 85, 166

Sweetspot

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



186, 113, 209



246, 219, 255



113, 132, 209



122, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



186, 113, 209



221, 115, 255



209, 113, 185



102, 94, 105



128, 0, 168



31, 0, 41

Inverse Universe

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



209, 113, 136



255, 115, 148



113, 190, 209



105, 94, 97



168, 0, 40



41, 0, 10

Previews

White Background



This preview shows how the RYB color 186, 113, 209 looks on a white background.

Color Contrast Check

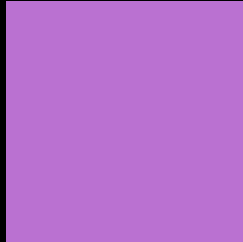
Large Text (above 18pt) WCAG AA ✓ Pass

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 186, 113, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

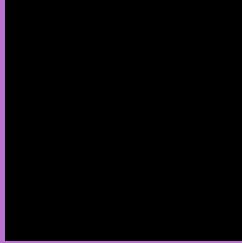
Any Text WCAG AA ✓ Pass

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 186, 113, 209 Background



This preview shows how black text looks on a background with the RYB color 186, 113, 209.

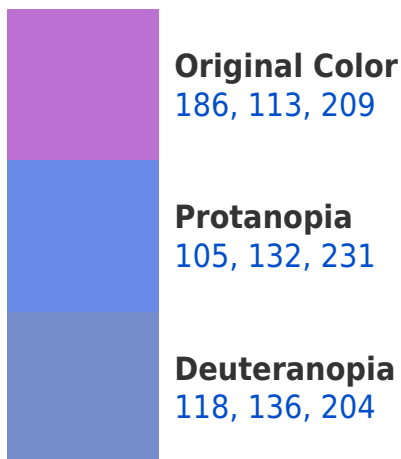


This preview shows how white text looks on a background with the RYB color 186, 113, 209.

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
176, 129, 139

Trichromacy



Original Color

186, 113, 209



Protanomaly

134, 130, 223



Deuteranomaly

143, 131, 206



Tritanomaly

180, 123, 164

Monochromacy



Original Color

186, 113, 209



Achromatopsia

146, 146, 146



Achromatomaly

161, 134, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 113, 209 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(186, 113, 209)` looks like.

```
.text, #text, p{  
    color:rgb(186, 113, 209)  
}
```

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(186, 113, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 113, 209) }
```

Border

The CSS property to change the border of an element to RYB 186, 113, 209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

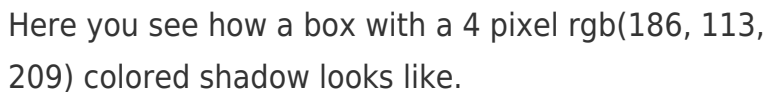
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 113, 209) }
```

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

```
.border{ border-color:rgb(186, 113, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 113, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 113, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 113, 209); box-shadow:4px 4px 4px 4px rgb(186, 113, 209) }
```

Background

The CSS property to change the background color of an element to RYB 186, 113, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 113, 209) }
```

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

```
.background{ background-color: rgb(186,  
113, 209) }
```

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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