

Converting Colors

`RYB(189, 136, 208)`

Have a look what the booklet for
RYB(189, 136, 208) contains.

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Color

R_YB(189, 136, 208)

Conversions

Conversions Part 1

Format	Color
Hex	BD88D0
RGB	189, 136, 208
RGB Percent	74%, 53%, 82%
CMY	0.2588, 0.4667, 0.1843
CMYK	0.09, 0.35, 0.00, 0.18
HSL	284°, 43%, 67%
HSV	284°, 35%, 82%
XYZ	41.1756, 32.9812, 63.8703
YIQ	160.0550, 8.4760, 33.6280

Conversions

Conversions Part 2

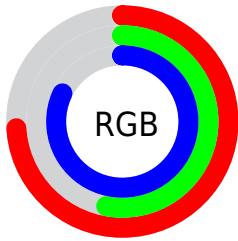
Format	Color
RYB	189, 136, 208
Decimal	12421328
CIELab	64.15, 32.87, -29.24
CIELCh	64, 43.996, 318.350
Yxy	32.9812, 0.2983, 0.2389
Android (android.graphics.Color)	4290611408 (0xFFBD88D0)
YUV	160.0550, 23.6369, 25.3848
Hunter-Lab	57.4293, 27.4796, -25.7393

Details

The RYB color **189, 136, 208** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **136, 208, 189**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **246, 190, 255**, and **135, 85, 153** is the 20% darker color. If you saturate the color by 10%, you get **184, 115, 208**, and if you desaturate by 10%, it is **194, 157, 208**.

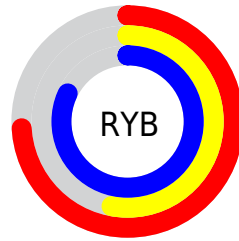
Distribution



Red (74%)

Green (53%)

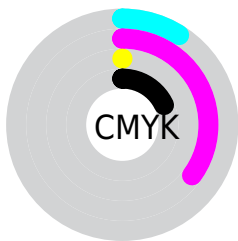
Blue (82%)



Red (74%)

Yellow (53%)

Blue (82%)

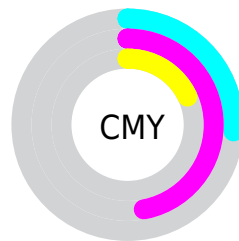


Cyan (9%)

Magenta (35%)

Yellow (0%)

Black (18%)



Cyan (26%)

Magenta (47%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 136, 208 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 189, 136, 208 by changing the saturation by 10% instead.


 189, 136, 208


255, 255, 255

 246, 190, 255

 255, 218, 255

 255, 247, 255


 189, 136, 208

 161, 110, 180

 135, 85, 153

 108, 61, 127

 83, 37, 102

 58, 13, 78

 36, 0, 54


 0, 0, 32

 0, 0, 5

 0, 0, 0


 189, 136, 208


 189, 136, 208

 184, 115, 208

 194, 157, 208

 178, 94, 208

 200, 178, 208

 173, 74, 208


 205, 198, 208

 167, 53, 208

 208, 219, 216

 162, 32, 208

 208, 240, 232

 156, 11, 208

 208, 255, 241

 153, 0, 208

 208, 255, 236

 208, 255, 230

 208, 255, 225

Harmonies

Analogous

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



135, 149, 230



189, 136, 208



221, 125, 172

Triad

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



189, 136, 208



152, 193, 78



0, 89, 179

Complementary

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



189, 136, 208



136, 208, 189

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.



46, 121, 175



189, 136, 208



78, 161, 83

Square

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



189, 136, 208



219, 149, 98



102, 170, 161



0, 95, 213

Rectangle

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



189, 136, 208



230, 123, 146



102, 170, 161



0, 91, 176

Sweetspot

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



189, 136, 208



248, 230, 255



136, 151, 208



123, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



189, 136, 208



227, 148, 255



208, 136, 191



102, 94, 105



124, 0, 168



30, 0, 41

Inverse Universe

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



208, 136, 155



255, 148, 176



136, 194, 208



105, 94, 97



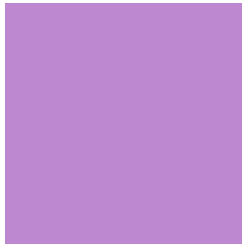
168, 0, 44



41, 0, 11

Previews

White Background



This preview shows how the RYB color 189, 136, 208 looks on a white background.

Color Contrast Check

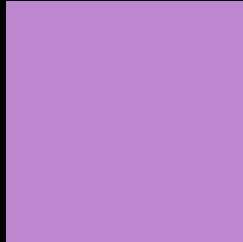
Large Text (above 18pt) WCAG AA × Fail

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 189, 136, 208 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 189, 136, 208 Background



This preview shows how black text looks on a background with the RYB color 189, 136, 208.

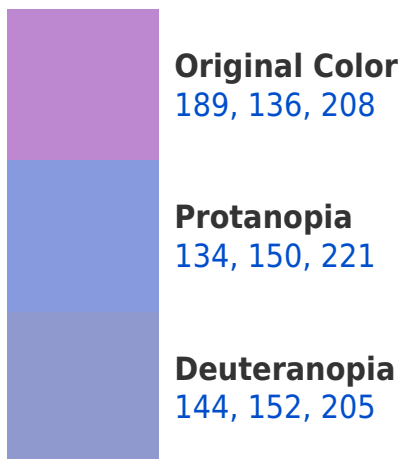


This preview shows how white text looks on a background with the RYB color 189, 136, 208.

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
182, 146, 158

Trichromacy



Original Color

189, 136, 208



Protanomaly

154, 147, 216



Deuteranomaly

160, 147, 206



Tritanomaly

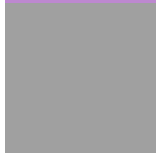
185, 142, 176

Monochromacy



Original Color

189, 136, 208



Achromatopsia

160, 160, 160



Achromatomaly

171, 151, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 136, 208 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(189, 136, 208)` looks like.

```
.text, #text, p{  
  color:rgb(189, 136, 208)  
}
```

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(189, 136, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 136, 208) }
```

Border

The CSS property to change the border of an element to RYB 189, 136, 208 is called "border". The border property can be set on classes, ids or directly on the HTML element.

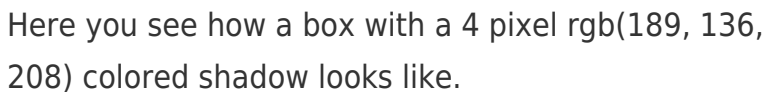
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 136, 208) }
```

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

```
.border{ border-color:rgb(189, 136, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 136, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 136, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 136, 208); box-shadow:4px 4px 4px 4px rgb(189, 136, 208) }
```

Background

The CSS property to change the background color of an element to RYB 189, 136, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 136, 208) }
```

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

```
.background{ background-color: rgb(189,  
136, 208) }
```

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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