

Converting Colors

`RYB(189, 155, 213)`

Have a look what the booklet for
RYB(189, 155, 213) contains.

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Color

R_YB(189, 155, 213)

Conversions

Conversions Part 1

Format	Color
Hex	BD9BD5
RGB	189, 155, 213
RGB Percent	74%, 61%, 84%
CMY	0.2588, 0.3922, 0.1647
CMYK	0.11, 0.27, 0.00, 0.16
HSL	275°, 41%, 72%
HSV	275°, 27%, 84%
XYZ	44.7179, 39.0656, 68.1343
YIQ	171.7780, 1.6460, 25.2460

Conversions

Conversions Part 2

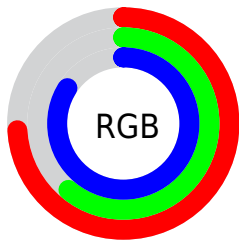
Format	Color
RYB	189, 155, 213
Decimal	12426197
CIELab	68.80, 23.37, -24.86
CIELCh	69, 34.121, 313.228
Yxy	39.0656, 0.2944, 0.2571
Android (android.graphics.Color)	4290616277 (0xFFBD9BD5)
YUV	171.7780, 20.3224, 15.1037
Hunter-Lab	62.5025, 18.3298, -20.8806

Details

The RYB color **189, 155, 213** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **155, 213, 189**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **246, 210, 255**, and **135, 104, 158** is the 20% darker color. If you saturate the color by 10%, you get **180, 134, 213**, and if you desaturate by 10%, it is **198, 176, 213**.

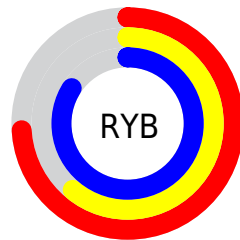
Distribution



Red (74%)

Green (61%)

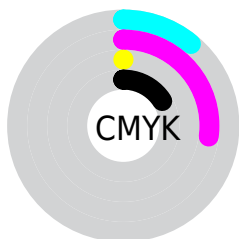
Blue (84%)



Red (74%)

Yellow (61%)

Blue (84%)

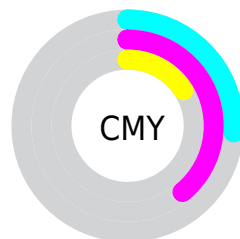


Cyan (11%)

Magenta (27%)

Yellow (0%)

Black (16%)



Cyan (26%)

Magenta (39%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 155, 213 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, 155, 213 by changing the saturation by 10% instead.


 189, 155, 213

255, 255, 255

 246, 210, 255

 255, 238, 255


 189, 155, 213

 162, 129, 185

 135, 104, 158

 109, 79, 132

 84, 56, 107

 60, 34, 82

 37, 12, 59

 17, 0, 37

 0, 1, 13

 0, 0, 0

■ 189, 155, 213

■ 189, 155, 213

■ 180, 134, 213

■ 198, 176, 213

■ 171, 112, 213

■ 207, 198, 213

■ 163, 91, 213

■ 213, 219, 217

■ 154, 70, 213

■ 213, 240, 229

■ 145, 48, 213

■ 213, 255, 235

■ 136, 27, 213

■ 213, 255, 226

■ 127, 6, 213

■ 213, 255, 217

■ 125, 0, 213

■ 213, 255, 213

Harmonies

Analogous

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



146, 162, 228



189, 155, 213



217, 146, 186

Triad

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



189, 155, 213



191, 204, 109



67, 127, 185

Complementary

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



189, 155, 213



155, 213, 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.



103, 154, 183



189, 155, 213



112, 175, 107

Square

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



189, 155, 213



223, 157, 127



122, 178, 159



58, 126, 209

Rectangle

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



189, 155, 213



227, 144, 166



122, 178, 159



78, 136, 185

Sweetspot

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



189, 155, 213



247, 235, 255



155, 172, 213



122, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



189, 155, 213



220, 171, 255



213, 155, 208



103, 96, 107



100, 0, 171



25, 0, 43

Inverse Universe

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



213, 155, 179



255, 171, 206



155, 208, 213



107, 96, 101



171, 0, 71



43, 0, 18

Previews

White Background



This preview shows how the RYB color 189, 155, 213 looks on a white background.

Color Contrast Check

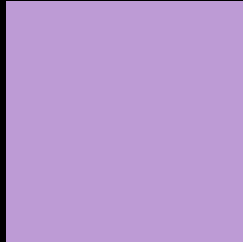
Large Text (above 18pt) WCAG AA × Fail

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, 155, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

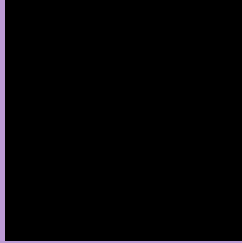
Any Text WCAG AA ✓ Pass

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, 155, 213 Background



This preview shows how black text looks on a background with the RYB color 189, 155, 213.



This preview shows how white text looks on a background with the RYB color 189, 155, 213.

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



Original Color
189, 155, 213

Protanopia
153, 164, 221

Deuteranopia
162, 165, 211



Tritanopia
183, 162, 175

Trichromacy



Original Color
189, 155, 213

Protanomaly
166, 162, 218

Deuteranomaly
172, 161, 212

Tritanomaly
185, 159, 189

Monochromacy



Original Color
189, 155, 213

Achromatopsia
172, 172, 172

Achromatomaly
178, 166, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 155, 213 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, 155, 213)` looks like.

```
.text, #text, p{  
    color:rgb(189, 155, 213)  
}
```

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, 155, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 155, 213) }
```

Border

The CSS property to change the border of an element to RYB 189, 155, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

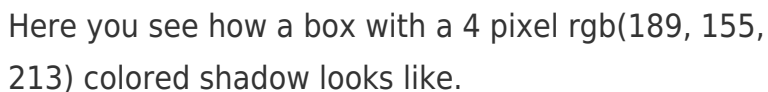
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 155, 213) }
```

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

```
.border{ border-color:rgb(189, 155, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 155, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 155, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 155, 213); box-shadow:4px 4px 4px 4px rgb(189, 155, 213) }
```

Background

The CSS property to change the background color of an element to RYB 189, 155, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 155, 213) }
```

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

```
.background{ background-color: rgb(189,  
155, 213) }
```

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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