

Converting Colors

`RYB(189, 172, 230)`

Have a look what the booklet for
RYB(189, 172, 230) contains.

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Color

R_YB(189, 172, 230)

Conversions

Conversions Part 1

Format	Color
Hex	BDACE6
RGB	189, 172, 230
RGB Percent	74%, 67%, 90%
CMY	0.2588, 0.3255, 0.0980
CMYK	0.18, 0.25, 0.00, 0.10
HSL	258°, 54%, 79%
HSV	258°, 25%, 90%
XYZ	50.0217, 46.0370, 81.1125
YIQ	183.6950, -8.4860, 21.6420

Conversions

Conversions Part 2

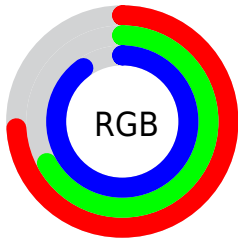
Format	Color
RYB	189, 172, 230
Decimal	12430566
CIELab	73.57, 17.61, -26.87
CIELCh	74, 32.129, 303.237
Yxy	46.0370, 0.2823, 0.2598
Android (android.graphics.Color)	4290620646 (0xFFBDACE6)
YUV	183.6950, 22.8284, 4.6525
Hunter-Lab	67.8506, 12.8576, -23.3833

Details

The RYB color **189, 172, 230** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **172, 230, 189**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **246, 227, 255**, and **135, 120, 174** is the 20% darker color. If you saturate the color by 10%, you get **173, 149, 230**, and if you desaturate by 10%, it is **205, 195, 230**.

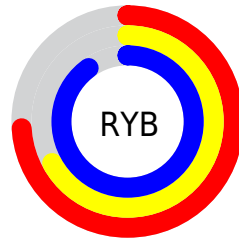
Distribution



Red (74%)

Green (67%)

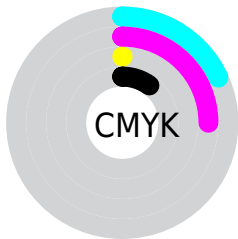
Blue (90%)



Red (74%)

Yellow (67%)

Blue (90%)

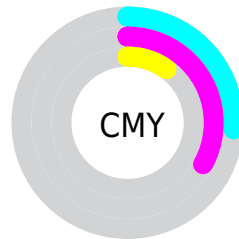


Cyan (18%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (26%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 172, 230 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, 172, 230 by changing the saturation by 10% instead.

 189, 172, 230


255, 255, 255

 246, 227, 255


 189, 172, 230

 162, 145, 202

 135, 120, 174

 109, 95, 148

 84, 71, 122

 60, 49, 97

 36, 27, 73

 15, 3, 50

 0, 2, 28

 0, 0, 0

■ 189, 172, 230

■ 189, 172, 230

■ 173, 149, 230

■ 205, 195, 230

■ 156, 126, 230

■ 222, 218, 230

■ 140, 103, 230

■ 230, 241, 233

■ 124, 80, 230

■ 230, 255, 231

■ 108, 57, 230

■ 230, 255, 230

■ 91, 34, 230

■ 75, 11, 230

■ 67, 0, 230

Harmonies

Analogous

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



147, 172, 239



189, 172, 230



221, 163, 208

Triad

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



189, 172, 230



223, 202, 129



100, 152, 197

Complementary

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



189, 172, 230



172, 230, 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.



132, 179, 195



189, 172, 230



146, 198, 122

Square

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



189, 172, 230



238, 164, 150



131, 189, 153



84, 144, 212

Rectangle

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



189, 172, 230



234, 159, 189



131, 189, 153



110, 160, 197

Sweetspot

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



189, 172, 230



241, 235, 255



172, 196, 230



118, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



189, 172, 230



201, 179, 255



217, 172, 230



107, 103, 115



52, 0, 179



15, 0, 51

Inverse Universe

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



230, 172, 213



255, 179, 233



172, 230, 217



115, 103, 111



179, 0, 126



51, 0, 36

Previews

White Background



This preview shows how the RYB color 189, 172, 230 looks on a white background.

Color Contrast Check

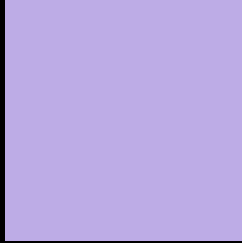
Large Text (above 18pt) WCAG AA × Fail

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, 172, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

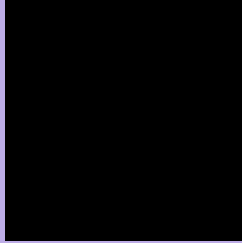
Any Text WCAG AA ✓ Pass

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, 172, 230 Background



This preview shows how black text looks on a background with the RYB color 189, 172, 230.



This preview shows how white text looks on a background with the RYB color 189, 172, 230.

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, 172, 230

Protanopia
166, 177, 235

Deuteranopia
173, 177, 229



Tritanopia
183, 179, 193

Trichromacy



Original Color

189, 172, 230

Protanomaly

174, 176, 233

Deuteranomaly

179, 175, 229

Tritanomaly

185, 176, 206

Monochromacy



Original Color

189, 172, 230

Achromatopsia

184, 184, 184

Achromatomaly

186, 180, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 172, 230 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, 172, 230)` looks like.

```
.text, #text, p{  
    color:rgb(189, 172, 230)  
}
```

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, 172, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 172, 230) }
```

Border

The CSS property to change the border of an element to RYB 189, 172, 230 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, 172, 230) }
```

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

```
.border{ border-color:rgb(189, 172, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 172, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 172, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 172, 230);  
box-shadow:4px 4px 4px 4px rgb(189, 172,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 189, 172, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 172, 230) }
```

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

```
.background{ background-color: rgb(189,  
172, 230) }
```

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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