

Converting Colors

`RYB(176, 172, 233)`

Have a look what the booklet for RYB(176, 172, 233) contains.

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Color

R_YB(176, 172, 233)

Conversions

Conversions Part 1

Format	Color
Hex	B0ACE9
RGB	176, 172, 233
RGB Percent	69%, 67%, 91%
CMY	0.3098, 0.3255, 0.0863
CMYK	0.24, 0.26, 0.00, 0.09
HSL	244°, 58%, 79%
HSV	244°, 26%, 91%
XYZ	47.3650, 44.6183, 83.2066
YIQ	180.1500, -17.1970, 19.8190

Conversions

Conversions Part 2

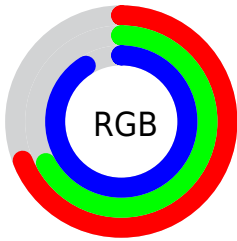
Format	Color
R _Y B	176, 172, 233
Decimal	11578601
CIE Lab	72.64, 14.34, -30.02
CIE LCh	73, 33.272, 295.531
Yxy	44.6183, 0.2704, 0.2547
Android (android.graphics.Color)	4289768681 (0xFFB0ACE9)
YUV	180.1500, 26.0550, -3.6396
Hunter-Lab	66.7970, 9.6777, -27.0976

Details

The RYB color **176, 172, 233** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **172, 233, 176**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **232, 227, 255**, and **122, 120, 177** is the 20% darker color. If you saturate the color by 10%, you get **154, 149, 233**, and if you desaturate by 10%, it is **198, 195, 233**.

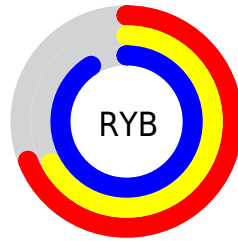
Distribution



Red (69%)

Green (67%)

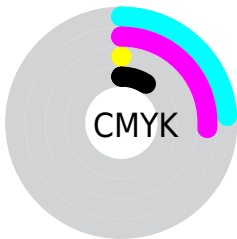
Blue (91%)



Red (69%)

Yellow (67%)

Blue (91%)

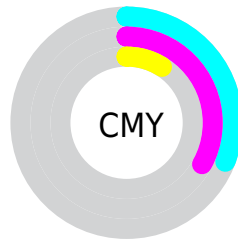


Cyan (24%)

Magenta (26%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 172, 233 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 176, 172, 233 by changing the saturation by 10% instead.

■ 176, 172, 233

255, 255, 255

■ 232, 227, 255

■ 176, 172, 233

■ 149, 145, 205

■ 122, 120, 177

■ 96, 95, 150

■ 71, 71, 124

■ 46, 49, 99

■ 21, 27, 75


■ 0, 2, 52

■ 0, 2, 30


■ 0, 0, 0

 176, 172, 233


 176, 172, 233

 154, 149, 233

 198, 195, 233

 132, 125, 233

 220, 219, 233

 111, 102, 233

 233, 242, 234

 89, 79, 233

 233, 255, 233

 67, 56, 233

 45, 32, 233

 24, 9, 233

 15, 0, 233

Harmonies

Analogous

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



130, 166, 238



176, 172, 233



213, 162, 213

Triad

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



176, 172, 233



227, 183, 129



101, 155, 195

Complementary

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



176, 172, 233



172, 233, 176

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.



137, 186, 191



176, 172, 233



160, 203, 118

Square

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



176, 172, 233



238, 157, 153



123, 184, 135



76, 137, 203

Rectangle

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



176, 172, 233



229, 157, 194



123, 184, 135



113, 163, 194

Sweetspot

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



176, 172, 233



236, 235, 255



172, 202, 233



116, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



176, 172, 233



181, 176, 255



206, 172, 233



106, 106, 117



12, 0, 181



4, 0, 54

Inverse Universe

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



233, 172, 229



255, 176, 250



172, 233, 206



117, 106, 117



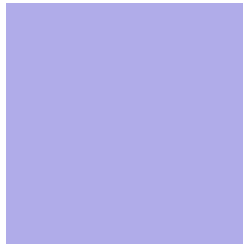
181, 0, 169



54, 0, 50

Previews

White Background



This preview shows how the RYB color 176, 172, 233 looks on a white background.

Color Contrast Check

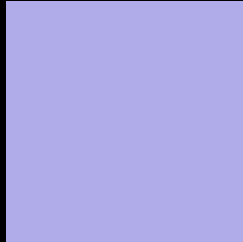
Large Text (above 18pt) WCAG AA × Fail

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 176, 172, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

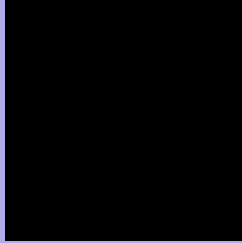
Any Text WCAG AA ✓ Pass

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 176, 172, 233 Background



This preview shows how black text looks on a background with the RYB color 176, 172, 233.



This preview shows how white text looks on a background with the RYB color 176, 172, 233.

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](#).

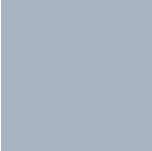
Dichromacy



Original Color
176, 172, 233

Protanopia
162, 174, 236

Deuteranopia
166, 174, 232



Tritanopia
168, 176, 194

Trichromacy



Original Color
176, 172, 233

Protanomaly
167, 174, 235

Deuteranomaly
170, 174, 232

Tritanomaly
171, 175, 208

Monochromacy



Original Color
176, 172, 233

Achromatopsia
180, 180, 180

Achromatomaly
179, 177, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 172, 233 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(176, 172, 233)` looks like.

```
.text, #text, p{  
    color:rgb(176, 172, 233)  
}
```

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(176, 172, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 172, 233) }
```

Border

The CSS property to change the border of an element to RYB 176, 172, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

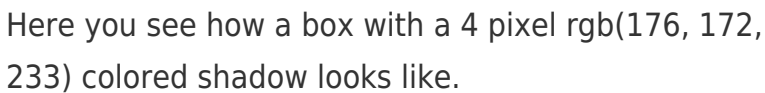
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 172, 233) }
```

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

```
.border{ border-color:rgb(176, 172, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 172, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 172, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 172, 233);  
box-shadow:4px 4px 4px 4px rgb(176, 172,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 176, 172, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 172, 233) }
```

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

```
.background{ background-color: rgb(176,  
172, 233) }
```

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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