

Converting Colors

`RYB(178, 175, 233)`

Have a look what the booklet for
RYB(178, 175, 233) contains.

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Color

R_YB(178, 175, 233)

Conversions

Conversions Part 1

Format	Color
Hex	B2AFE9
RGB	178, 175, 233
RGB Percent	70%, 69%, 91%
CMY	0.3020, 0.3137, 0.0863
CMYK	0.24, 0.25, 0.00, 0.09
HSL	243°, 57%, 80%
HSV	243°, 25%, 91%
XYZ	48.3981, 46.0081, 83.4204
YIQ	182.5090, -16.8300, 18.6740

Conversions

Conversions Part 2

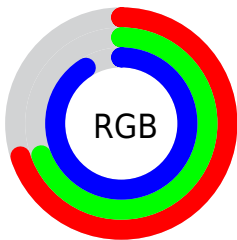
Format	Color
R_{YB}	178, 175, 233
Decimal	11710441
CIE _{Lab}	73.55, 13.27, -28.61
CIE _{LCh}	74, 31.539, 294.892
Yxy	46.0081, 0.2722, 0.2587
Android (android.graphics.Color)	4289900521 (0xFFB2AFE9)
YUV	182.5090, 24.8921, -3.9544
Hunter-Lab	67.8293, 8.6634, -25.4378

Details

The RYB color **178, 175, 233** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **175, 233, 178**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **234, 230, 255**, and **124, 123, 177** is the 20% darker color. If you saturate the color by 10%, you get **156, 152, 233**, and if you desaturate by 10%, it is **200, 198, 233**.

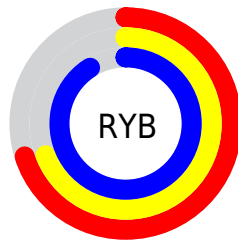
Distribution



Red (70%)

Green (69%)

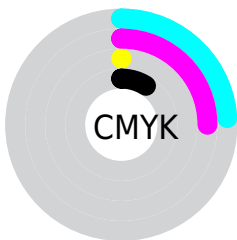
Blue (91%)



Red (70%)

Yellow (69%)

Blue (91%)

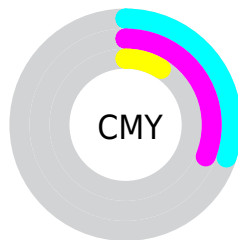


Cyan (24%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (30%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 175, 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 178, 175, 233 by changing the saturation by 10% instead.

■ 178, 175, 233

255, 255, 255

■ 234, 230, 255

■ 178, 175, 233

■ 151, 148, 205

■ 124, 123, 177

■ 98, 98, 150

■ 73, 74, 124

■ 49, 52, 99

■ 24, 30, 75

■ 0, 6, 52

■ 0, 2, 30

■ 0, 0, 1

■ 178, 175, 233

■ 178, 175, 233

■ 156, 152, 233

■ 200, 198, 233

■ 134, 128, 233

■ 222, 222, 233

■ 112, 105, 233

■ 233, 245, 234

■ 90, 82, 233

■ 233, 255, 233

■ 68, 59, 233

■ 45, 35, 233

■ 23, 12, 233

■ 12, 0, 233

Harmonies

Analogous

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



135, 169, 238



178, 175, 233



213, 165, 214

Triad

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



178, 175, 233



228, 185, 134



110, 159, 196

Complementary

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



178, 175, 233



175, 233, 178

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.



142, 188, 193



178, 175, 233



168, 206, 123

Square

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



178, 175, 233



238, 160, 158



128, 186, 138



88, 144, 204

Rectangle

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



178, 175, 233



229, 161, 197



128, 186, 138



120, 168, 196

Sweetspot

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



178, 175, 233



238, 237, 255



175, 203, 233



118, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



178, 175, 233



182, 179, 255



207, 175, 233



106, 106, 117



9, 0, 181



3, 0, 54

Inverse Universe

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



233, 175, 230



255, 179, 251



175, 233, 207



117, 106, 117



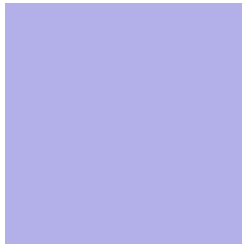
181, 0, 172



54, 0, 51

Previews

White Background



This preview shows how the RYB color 178, 175, 233 looks on a white background.

Color Contrast Check

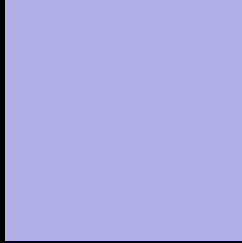
Large Text (above 18pt) WCAG AA × Fail

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 178, 175, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

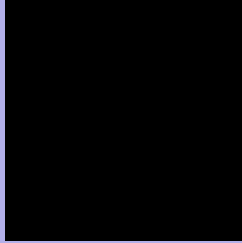
Any Text WCAG AA ✓ Pass

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 178, 175, 233 Background



This preview shows how black text looks on a background with the RYB color 178, 175, 233.



This preview shows how white text looks on a background with the RYB color 178, 175, 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](#).

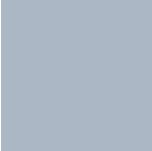
Dichromacy



Original Color
178, 175, 233

Protanopia
165, 176, 236

Deuteranopia
171, 176, 233



Tritanopia
171, 179, 196

Trichromacy



Original Color

178, 175, 233

Protanomaly

170, 176, 235

Deuteranomaly

174, 176, 233

Tritanomaly

174, 178, 209

Monochromacy



Original Color

178, 175, 233

Achromatopsia

183, 183, 183

Achromatomaly

181, 180, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 175, 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(178, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(178, 175, 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(178, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 175, 233) }
```

Border

The CSS property to change the border of an element to RYB 178, 175, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

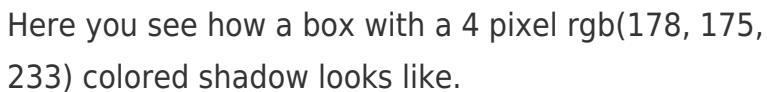
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 175, 233) }
```

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

```
.border{ border-color:rgb(178, 175, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 175, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 175, 233); box-shadow:4px 4px 4px 4px rgb(178, 175, 233) }
```

Background

The CSS property to change the background color of an element to RYB 178, 175, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 175, 233) }
```

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

```
.background{ background-color: rgb(178,  
175, 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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