

Converting Colors

`RYB(177, 176, 217)`

Have a look what the booklet for
RYB(177, 176, 217) contains.

RYB(177, 176, 217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(177, 176, 217)

Conversions

Conversions Part 1

Format	Color
Hex	B1B0D9
RGB	177, 176, 217
RGB Percent	69%, 69%, 85%
CMY	0.3059, 0.3098, 0.1490
CMYK	0.18, 0.19, 0.00, 0.15
HSL	241°, 35%, 77%
HSV	241°, 19%, 85%
XYZ	46.1812, 45.4075, 71.9762
YIQ	180.9730, -12.5650, 12.9630

Conversions

Conversions Part 2

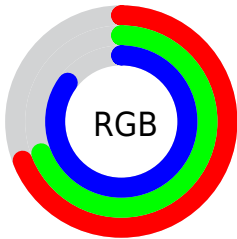
Format	Color
RYB	177, 176, 217
Decimal	11645145
CIELab	73.16, 8.77, -20.50
CIELCh	73, 22.297, 293.162
Yxy	45.4075, 0.2823, 0.2776
Android (android.graphics.Color)	4289835225 (0xFFB1B0D9)
YUV	180.9730, 17.7613, -3.4843
Hunter-Lab	67.3851, 4.4078, -16.1599

Details

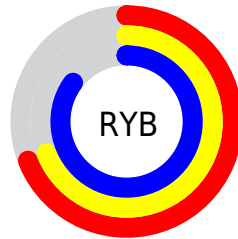
The RYB color **177, 176, 217** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **176, 217, 177**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **233, 232, 255**, and **124, 124, 162** is the 20% darker color. If you saturate the color by 10%, you get **156, 154, 217**, and if you desaturate by 10%, it is **198, 198, 217**.

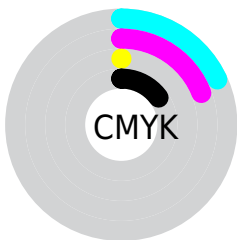
Distribution



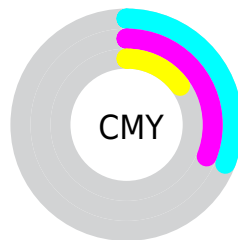
- Red (69%)
- Green (69%)
- Blue (85%)



- Red (69%)
- Yellow (69%)
- Blue (85%)



- Cyan (18%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 177, 176, 217 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 177, 176, 217 by changing the saturation by 10% instead.

■ 177, 176, 217

255, 255, 255

■ 233, 232, 255

■ 177, 176, 217

■ 150, 149, 189

■ 124, 124, 162

■ 99, 99, 136

■ 74, 75, 110


■ 51, 52, 86


■ 28, 31, 62


■ 6, 7, 40

■ 0, 1, 19

■ 0, 0, 0

 177, 176, 217

 177, 176, 217

 156, 154, 217

 198, 198, 217

 135, 133, 217

 217, 219, 217

 113, 111, 217

 217, 241, 217

 92, 89, 217

 217, 255, 217

 71, 67, 217

 50, 46, 217

 29, 24, 217

 8, 2, 217

 5, 0, 217

Harmonies

Analogous

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



149, 172, 220



177, 176, 217



202, 169, 204

Triad

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



177, 176, 217



215, 181, 148



134, 167, 191

Complementary

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



177, 176, 217



176, 217, 177

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.



155, 188, 188



177, 176, 217



176, 200, 139

Square

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



177, 176, 217



222, 166, 164



142, 183, 147



123, 158, 195

Rectangle

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



177, 176, 217



213, 166, 192



142, 183, 147



140, 172, 190

Sweetspot

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



177, 176, 217



240, 240, 255



176, 196, 217



119, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



177, 176, 217



198, 196, 255



197, 176, 217



99, 99, 110



4, 0, 173



1, 0, 46

Inverse Universe

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



217, 176, 216



255, 196, 254



176, 217, 197



110, 99, 109



173, 0, 169



46, 0, 45

Previews

White Background



This preview shows how the RYB color 177, 176, 217 looks on a white background.

Color Contrast Check

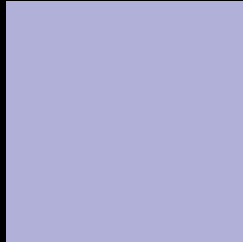
Large Text (above 18pt) WCAG AA × Fail

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 177, 176, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

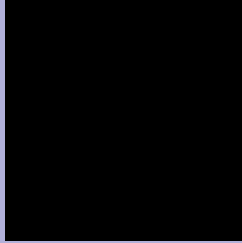
Any Text WCAG AA ✓ Pass

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 177, 176, 217 Background



This preview shows how black text looks on a background with the RYB color 177, 176, 217.



This preview shows how white text looks on a background with the RYB color 177, 176, 217.

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](#).

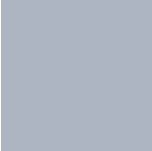
Dichromacy



Original Color
177, 176, 217

Protanopia
171, 177, 218

Deuteranopia
178, 176, 217



Tritanopia
173, 178, 194

Trichromacy



Original Color
177, 176, 217

Protanomaly
173, 177, 218

Deuteranomaly
178, 176, 217

Tritanomaly
174, 178, 202

Monochromacy



Original Color
177, 176, 217

Achromatopsia
181, 181, 181

Achromatomaly
180, 179, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 177, 176, 217 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(177, 176, 217)` looks like.

```
.text, #text, p{  
    color:rgb(177, 176, 217)  
}
```

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(177, 176, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 176, 217) }
```

Border

The CSS property to change the border of an element to RYB 177, 176, 217 is called "border". The border property can be set on classes, ids or directly on the HTML element.

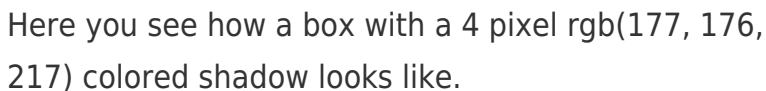
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 176, 217) }
```

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

```
.border{ border-color:rgb(177, 176, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 176, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 176, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 176, 217); box-shadow:4px 4px 4px 4px rgb(177, 176, 217) }
```

Background

The CSS property to change the background color of an element to RYB 177, 176, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 176, 217) }
```

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

```
.background{ background-color: rgb(177,  
176, 217) }
```

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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