

Converting Colors

`RYB(188, 177, 226)`

Have a look what the booklet for
RYB(188, 177, 226) contains.

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Color

R_YB(188, 177, 226)

Conversions

Conversions Part 1

Format	Color
Hex	BCB1E2
RGB	188, 177, 226
RGB Percent	74%, 69%, 89%
CMY	0.2627, 0.3059, 0.1137
CMYK	0.17, 0.22, 0.00, 0.11
HSL	253°, 46%, 79%
HSV	253°, 22%, 89%
XYZ	50.1886, 47.6266, 78.4991
YIQ	185.8750, -9.1730, 17.5710

Conversions

Conversions Part 2

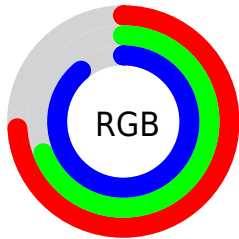
Format	Color
R_{YB}	188, 177, 226
Decimal	12366306
CIE _{Lab}	74.59, 13.67, -23.15
CIE _{LCh}	75, 26.880, 300.556
Yxy	47.6266, 0.2847, 0.2701
Android (android.graphics.Color)	4290556386 (0xFFBCB1E2)
YUV	185.8750, 19.7816, 1.8636
Hunter-Lab	69.0121, 9.0421, -19.1322

Details

The RYB color **188, 177, 226** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **177, 226, 188**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **245, 233, 255**, and **134, 124, 171** is the 20% darker color. If you saturate the color by 10%, you get **170, 154, 226**, and if you desaturate by 10%, it is **206, 200, 226**.

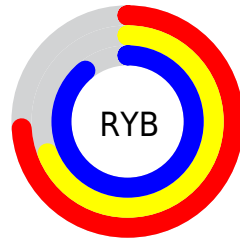
Distribution



Red (74%)

Green (69%)

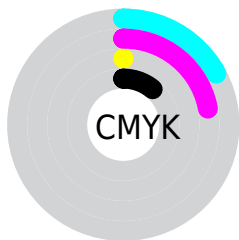
Blue (89%)



Red (74%)

Yellow (69%)

Blue (89%)

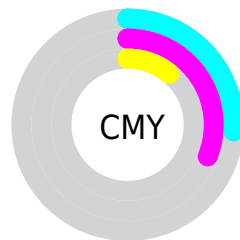


Cyan (17%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (26%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 177, 226 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 188, 177, 226 by changing the saturation by 10% instead.

■ 188, 177, 226

255, 255, 255

■ 245, 233, 255

■ 188, 177, 226

■ 161, 150, 198

■ 134, 124, 171

■ 108, 100, 144

■ 84, 76, 118

■ 60, 53, 93

■ 37, 32, 70

■ 15, 9, 47

■ 0, 1, 26

■ 0, 0, 0

■ 188, 177, 226

■ 188, 177, 226

■ 170, 154, 226

■ 206, 200, 226

■ 153, 132, 226

■ 223, 222, 226

■ 135, 109, 226

■ 226, 245, 230

■ 118, 87, 226

■ 226, 255, 226

■ 100, 64, 226

■ 83, 41, 226

■ 65, 19, 226

■ 51, 0, 226

Harmonies

Analogous

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



154, 177, 232



188, 177, 226



216, 169, 208

Triad

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



188, 177, 226



222, 197, 141



121, 163, 197

Complementary

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



188, 177, 226



177, 226, 188

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.



146, 185, 195



188, 177, 226



161, 201, 134

Square

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



188, 177, 226



233, 168, 160



140, 190, 155



110, 156, 208

Rectangle

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



188, 177, 226



228, 166, 192



140, 190, 155



129, 170, 197

Sweetspot

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



188, 177, 226



241, 237, 255



177, 198, 226



120, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 177, 226



204, 189, 255



212, 177, 226



103, 101, 112



39, 0, 176



11, 0, 48

Inverse Universe

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



226, 177, 215



255, 189, 240



177, 226, 212



112, 101, 110



176, 0, 136



48, 0, 38

Previews

White Background



This preview shows how the RYB color 188, 177, 226 looks on a white background.

Color Contrast Check

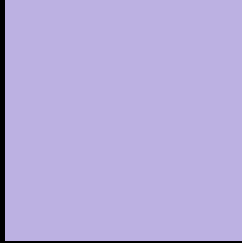
Large Text (above 18pt) WCAG AA × Fail

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 188, 177, 226 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](#).

RYP 188, 177, 226 Background



This preview shows how black text looks on a background with the RYP color 188, 177, 226.



This preview shows how white text looks on a background with the RYP color 188, 177, 226.

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
188, 177, 226

Protanopia
172, 181, 229

Deuteranopia
180, 180, 225



Tritanopia
183, 182, 197

Trichromacy



Original Color
188, 177, 226

Protanomaly
178, 180, 228

Deuteranomaly
183, 179, 225

Tritanomaly
185, 180, 208

Monochromacy



Original Color
188, 177, 226

Achromatopsia
186, 186, 186

Achromatomaly
187, 183, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 177, 226 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(188, 177, 226)` looks like.

```
.text, #text, p{  
    color:rgb(188, 177, 226)  
}
```

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(188, 177, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 177, 226) }
```

Border

The CSS property to change the border of an element to RYB 188, 177, 226 is called "border". The border property can be set on classes, ids or directly on the HTML element.

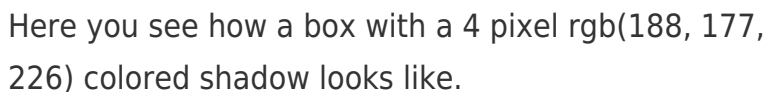
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 177, 226) }
```

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

```
.border{ border-color:rgb(188, 177, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 177, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 177, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 177, 226);  
box-shadow:4px 4px 4px 4px rgb(188, 177,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 188, 177, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 177, 226) }
```

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

```
.background{ background-color: rgb(188,  
177, 226) }
```

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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