

Converting Colors

`RYB(177, 122, 204)`

Have a look what the booklet for
RYB(177, 122, 204) contains.

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Color

R_YB(177, 122, 204)

Conversions

Conversions Part 1

Format	Color
Hex	B17ACC
RGB	177, 122, 204
RGB Percent	69%, 48%, 80%
CMY	0.3059, 0.5216, 0.2000
CMYK	0.13, 0.40, 0.00, 0.20
HSL	280°, 45%, 64%
HSV	280°, 40%, 80%
XYZ	35.9901, 27.6258, 60.5622
YIQ	147.7930, 6.4580, 37.1620

Conversions

Conversions Part 2

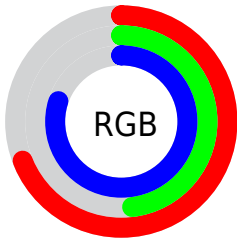
Format	Color
R_{YB}	177, 122, 204
Decimal	11631308
CIE Lab	59.55, 36.09, -34.22
CIE LCh	60, 49.734, 316.520
Yxy	27.6258, 0.2898, 0.2225
Android (android.graphics.Color)	4289821388 (0xFFB17ACC)
YUV	147.7930, 27.7101, 25.6145
Hunter-Lab	52.5603, 30.2455, -31.5243

Details

The RYB color **177, 122, 204** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **122, 204, 177**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **234, 175, 255**, and **123, 72, 149** is the 20% darker color. If you saturate the color by 10%, you get **170, 102, 204**, and if you desaturate by 10%, it is **184, 142, 204**.

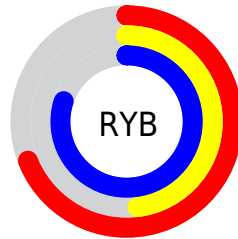
Distribution



Red (69%)

Green (48%)

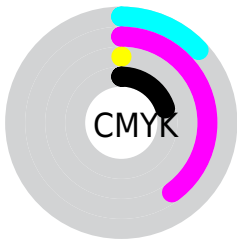
Blue (80%)



Red (69%)

Yellow (48%)

Blue (80%)

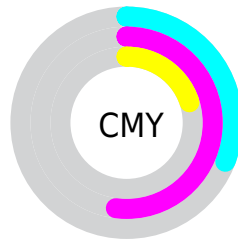


Cyan (13%)

Magenta (40%)

Yellow (0%)

Black (20%)



Cyan (31%)

Magenta (52%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the RYB color 177, 122, 204 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, 122, 204 by changing the saturation by 10% instead.


 177, 122, 204

255, 255, 255


 234, 175, 255

 255, 203, 255


 255, 232, 255

 177, 122, 204

 150, 96, 176

 123, 72, 149

 97, 48, 123

 71, 24, 98


 47, 0, 74

 28, 0, 51

 0, 2, 29

 0, 0, 0

 177, 122, 204

 177, 122, 204

■ 170, 102, 204

■ 184, 142, 204

■ 164, 81, 204

■ 190, 163, 204

■ 157, 61, 204

■ 197, 183, 204

■ 150, 40, 204

■ 204, 204, 204

■ 143, 20, 204

■ 204, 224, 217

■ 137, 0, 204

■ 204, 244, 231

■ 204, 255, 235

■ 204, 255, 228

■ 204, 255, 222

Harmonies

Analogous

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



111, 134, 227



177, 122, 204



214, 108, 165

Triad

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



177, 122, 204



140, 185, 56



0, 83, 167

Complementary

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



177, 122, 204



122, 204, 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.



0, 94, 164



177, 122, 204



54, 149, 58

Square

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



177, 122, 204



213, 132, 82



81, 159, 145



0, 91, 206

Rectangle

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



177, 122, 204



224, 105, 136



81, 159, 145



0, 86, 165

Sweetspot

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



177, 122, 204



245, 224, 255



122, 142, 204



122, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



177, 122, 204



215, 133, 255



204, 122, 190



99, 92, 102



111, 0, 166



26, 0, 38

Inverse Universe

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



204, 122, 149



255, 133, 173



122, 192, 204



102, 92, 95



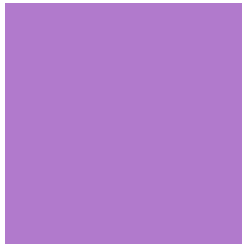
166, 0, 55



38, 0, 13

Previews

White Background



This preview shows how the RYB color 177, 122, 204 looks on a white background.

Color Contrast Check

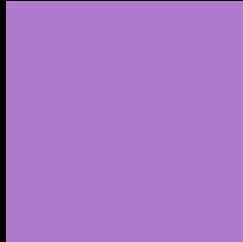
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

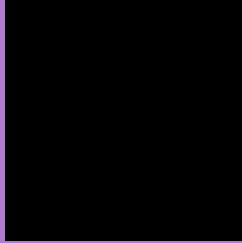
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 177, 122, 204 Background



This preview shows how black text looks on a background with the RYB color 177, 122, 204.

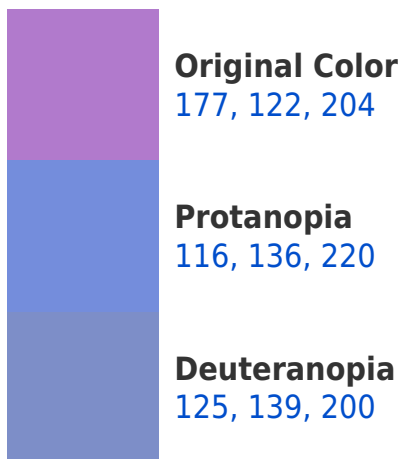



This preview shows how white text looks on a background with the RYB color 177, 122, 204.

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





Tritanopia
168, 135, 145

Trichromacy



Original Color

177, 122, 204



Protanomaly

138, 134, 214



Deuteranomaly

144, 135, 201



Tritanomaly

171, 130, 166

Monochromacy



Original Color

177, 122, 204



Achromatopsia

148, 148, 148



Achromatomaly

159, 139, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 177, 122, 204 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, 122, 204)` looks like.

```
.text, #text, p{  
    color:rgb(177, 122, 204)  
}
```

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, 122, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 122, 204) }
```

Border

The CSS property to change the border of an element to RYB 177, 122, 204 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, 122, 204) }
```

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

```
.border{ border-color:rgb(177, 122, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 122, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 122, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 122, 204);  
box-shadow:4px 4px 4px 4px rgb(177, 122,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 177, 122, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 122, 204) }
```

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

```
.background{ background-color: rgb(177,  
122, 204) }
```

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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