

Converting Colors

`RYB(176, 122, 186)`

Have a look what the booklet for
RYB(176, 122, 186) contains.

RYB(176, 122, 186)	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(176, 122, 186)

Conversions

Conversions Part 1

Format	Color
Hex	B07ABA
RGB	176, 122, 186
RGB Percent	69%, 48%, 73%
CMY	0.3098, 0.5216, 0.2706
CMYK	0.05, 0.34, 0.00, 0.27
HSL	291°, 32%, 60%
HSV	291°, 34%, 73%
XYZ	33.7270, 26.6943, 49.8293
YIQ	145.4420, 11.6400, 31.3520

Conversions

Conversions Part 2

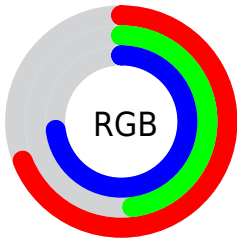
Format	Color
RYB	176, 122, 186
Decimal	11565754
CIELab	58.69, 32.04, -25.35
CIELCh	59, 40.856, 321.653
Yxy	26.6943, 0.3059, 0.2421
Android (android.graphics.Color)	4289755834 (0xFFB07ABA)
YUV	145.4420, 19.9951, 26.7994
Hunter-Lab	51.6666, 26.1049, -21.0150

Details

The RYB color **176, 122, 186** is a light color, and the websafe version is hex **996699**. A complement of this color would be **122, 186, 176**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **232, 175, 242**, and **122, 72, 133** is the 20% darker color. If you saturate the color by 10%, you get **173, 103, 186**, and if you desaturate by 10%, it is **179, 141, 186**.

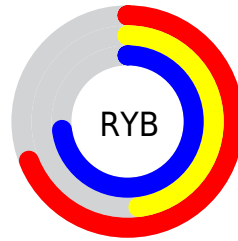
Distribution



Red (69%)

Green (48%)

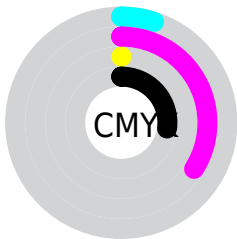
Blue (73%)



Red (69%)

Yellow (48%)

Blue (73%)

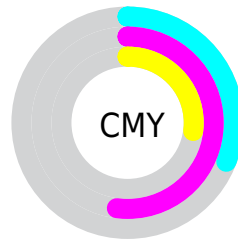


Cyan (5%)

Magenta (34%)

Yellow (0%)

Black (27%)



Cyan (31%)

Magenta (52%)

Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the RYB color 176, 122, 186 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, 122, 186 by changing the saturation by 10% instead.


 176, 122, 186

255, 255, 255

 232, 175, 242

 255, 203, 255

 255, 231, 255

 176, 122, 186

 149, 97, 159

 122, 72, 133

 97, 48, 107

 72, 25, 83


 48, 1, 59

 29, 0, 38

 0, 1, 14

 0, 0, 0

 176, 122, 186

 176, 122, 186

173, 103, 186

179, 141, 186

170, 85, 186

182, 159, 186

167, 66, 186

185, 178, 186

164, 48, 186

186, 196, 194

161, 29, 186

186, 215, 210

159, 10, 186

186, 234, 227

157, 0, 186

186, 252, 242

186, 255, 242

186, 255, 239

Harmonies

Analogous

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



129, 135, 208



176, 122, 186



203, 113, 153

Triad

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



176, 122, 186



124, 172, 69



0, 81, 166

Complementary

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



176, 122, 186



122, 186, 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.



31, 103, 159



176, 122, 186



72, 147, 82

Square

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



176, 122, 186



197, 142, 86



95, 155, 155



0, 87, 196

Rectangle

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



176, 122, 186



209, 112, 128



95, 155, 155



0, 82, 160

Sweetspot

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



176, 122, 186



238, 218, 242



122, 131, 186



120, 108, 122



250, 250, 250



122, 122, 122

Same Dimension

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



176, 122, 186



227, 143, 242



186, 122, 165



90, 83, 92



131, 0, 156



24, 0, 28

Inverse Universe

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



186, 122, 132



242, 143, 158



122, 170, 186



92, 83, 84



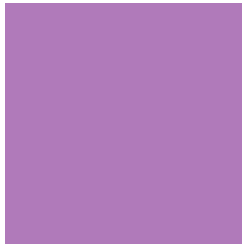
156, 0, 24



28, 0, 4

Previews

White Background



This preview shows how the RYB color 176, 122, 186 looks on a white background.

Color Contrast Check

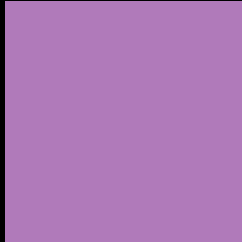
Large Text (above 18pt) WCAG AA ✓ Pass

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 176, 122, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

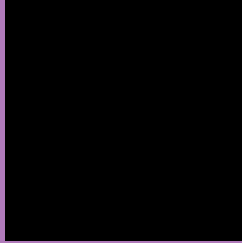
Any Text WCAG AA ✓ Pass

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 176, 122, 186 Background



This preview shows how black text looks on a background with the RYB color 176, 122, 186.

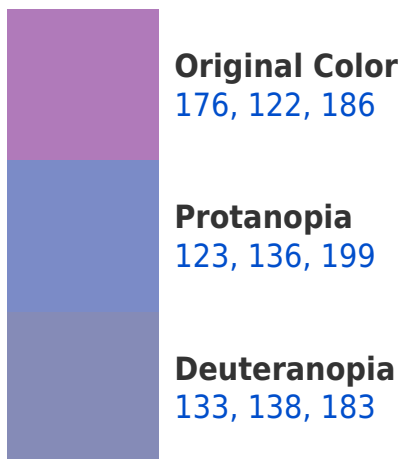



This preview shows how white text looks on a background with the RYB color 176, 122, 186.

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
170, 131, 141

Trichromacy



Original Color

176, 122, 186

Protanomaly

142, 133, 194

Deuteranomaly

149, 133, 184

Tritanomaly

172, 128, 157

Monochromacy



Original Color

176, 122, 186

Achromatopsia

145, 145, 145

Achromatomaly

156, 137, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 122, 186 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, 122, 186)` looks like.

```
.text, #text, p{  
    color:rgb(176, 122, 186)  
}
```

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, 122, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 122, 186) }
```

Border

The CSS property to change the border of an element to RYB 176, 122, 186 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, 122, 186) }
```

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

```
.border{ border-color:rgb(176, 122, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 122, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 122, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 122, 186);  
box-shadow:4px 4px 4px 4px rgb(176, 122,  
186) }
```

Background

The CSS property to change the background color of an element to RYB 176, 122, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 122, 186) }
```

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

```
.background{ background-color: rgb(176,  
122, 186) }
```

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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