

Converting Colors

`RYB(177, 96, 212)`

Have a look what the booklet for
RYB(177, 96, 212) contains.

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Color

`RYB(177, 96, 212)`

Conversions

Conversions Part 1	
Format	Color
Hex	B160D4
RGB	177, 96, 212
RGB Percent	69%, 38%, 83%
CMY	0.3059, 0.6235, 0.1686
CMYK	0.17, 0.55, 0.00, 0.17
HSL	282°, 57%, 60%
HSV	282°, 55%, 83%
XYZ	34.1980, 22.4663, 64.8214
YIQ	133.4430, 11.0400, 53.2480

Conversions

Conversions Part 2

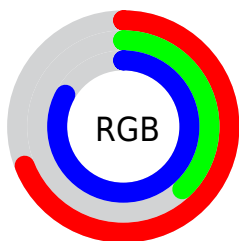
Format	Color
RYB	177, 96, 212
Decimal	11624660
CIELab	54.52, 51.67, -46.66
CIELCh	55, 69.620, 317.912
Yxy	22.4663, 0.2815, 0.1849
Android (android.graphics.Color)	4289814740 (0xFFB160D4)
YUV	133.4430, 38.7286, 38.1995
Hunter-Lab	47.3986, 45.8396, -47.9047

Details

The RYB color **177, 96, 212** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **96, 212, 177**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **235, 150, 255**, and **121, 43, 157** is the 20% darker color. If you saturate the color by 10%, you get **171, 75, 212**, and if you desaturate by 10%, it is **183, 117, 212**.

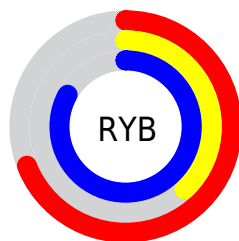
Distribution



Red (69%)

Green (38%)

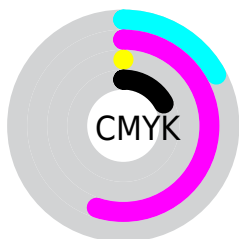
Blue (83%)



Red (69%)

Yellow (38%)

Blue (83%)

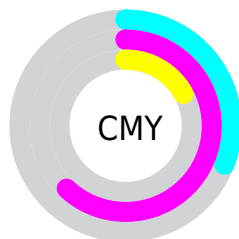


Cyan (17%)

Magenta (55%)

Yellow (0%)

Black (17%)



Cyan (31%)

Magenta (62%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 177, 96, 212 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, 96, 212 by changing the saturation by 10% instead.



177, 96, 212



177, 96, 212

255, 255, 255



149, 70, 184



235, 150, 255



121, 43, 157



255, 177, 255



94, 11, 130



255, 205, 255



68, 0, 104



255, 234, 255



41, 0, 80



12, 0, 56



0, 2, 33




0, 0, 7




0, 0, 0


 177, 96, 212

 177, 96, 212

 171, 75, 212


 183, 117, 212

 164, 54, 212

 190, 138, 212

 158, 32, 212

 196, 160, 212

 151, 11, 212

 203, 181, 212

 148, 0, 212

 209, 202, 212

 212, 223, 220

 212, 244, 234

 212, 255, 239

 212, 255, 232

Harmonies

Analogous

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



66, 110, 246



177, 96, 212



225, 67, 157

Triad

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



177, 96, 212



86, 177, 0



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.



177, 96, 212



96, 212, 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, 156



177, 96, 212



0, 139, 16

Square

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



177, 96, 212



217, 112, 40



40, 150, 149



0, 90, 219

Rectangle

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



177, 96, 212



236, 61, 117



40, 150, 149



0, 82, 157

Sweetspot

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



177, 96, 212



243, 214, 255



96, 124, 212



120, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



177, 96, 212



204, 87, 255



212, 96, 191



104, 96, 107



119, 0, 171



30, 0, 43

Inverse Universe

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



212, 96, 131



255, 87, 137



96, 194, 212



107, 96, 100



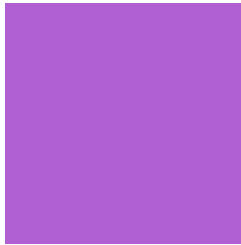
171, 0, 52



43, 0, 13

Previews

White Background



This preview shows how the RYB color 177, 96, 212 looks on a white background.

Color Contrast Check

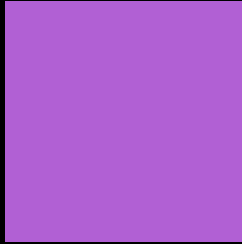
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96, 212 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, 96, 212 Background



This preview shows how black text looks on a background with the RYB color 177, 96, 212.



This preview shows how white text looks on a background with the RYB color 177, 96, 212.

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, 96, 212

Protanopia

72, 113, 241

Deuteranopia

90, 120, 205



Tritanopia

164, 118, 127

Trichromacy



Original Color

177, 96, 212



Protanomaly

110, 116, 230



Deuteranomaly

122, 118, 208



Tritanomaly

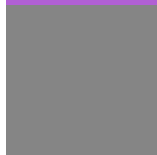
169, 110, 158

Monochromacy



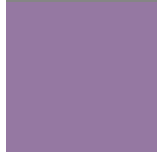
Original Color

177, 96, 212



Achromatopsia

133, 133, 133



Achromatomaly

149, 120, 162

CSS Examples

Text

The CSS property to change the color of the text to RGB 177, 96, 212 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, 96, 212) looks like.

```
.text, #text, p{  
    color:rgb(177, 96, 212)  
}
```

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, 96, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 96, 212) }
```

Border

The CSS property to change the border of an element to RYB 177, 96, 212 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, 96, 212) }
```

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

```
.border{ border-color:rgb(177, 96, 212) }
```

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

Here you see how a box with a 4 pixel rgb(177, 96, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 96, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 96, 212);  
box-shadow:4px 4px 4px 4px rgb(177, 96,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 177, 96, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 96, 212) }
```

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

```
.background{ background-color: rgb(177, 96,  
212) }
```

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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