

Converting Colors

`RYB(180, 116, 176)`

Have a look what the booklet for
RYB(180, 116, 176) contains.

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Color

R_YB(180, 116, 176)

Conversions

Conversions Part 1

Format	Color
Hex	B474B0
RGB	180, 116, 176
RGB Percent	71%, 45%, 69%
CMY	0.2941, 0.5451, 0.3098
CMYK	0.00, 0.36, 0.02, 0.29
HSL	304°, 30%, 58%
HSV	304°, 36%, 71%
XYZ	32.9043, 25.3287, 44.2290
YIQ	141.9760, 18.8840, 32.2280

Conversions

Conversions Part 2

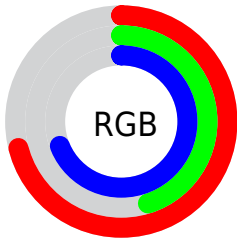
Format	Color
R_{YB}	180, 116, 176
Decimal	11826352
CIE _{Lab}	57.39, 34.73, -21.58
CIE _{LCh}	57, 40.885, 328.145
Yxy	25.3287, 0.3211, 0.2472
Android (android.graphics.Color)	4290016432 (0xFFB474B0)
YUV	141.9760, 16.7738, 33.3470
Hunter-Lab	50.3276, 28.6303, -16.8760

Details

The RYB color **180, 116, 176** is a light color, and the websafe version is hex **996699**. A complement of this color would be **116, 176, 180**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **237, 169, 232**, and **126, 66, 123** is the 20% darker color. If you saturate the color by 10%, you get **180, 98, 175**, and if you desaturate by 10%, it is **180, 134, 177**.

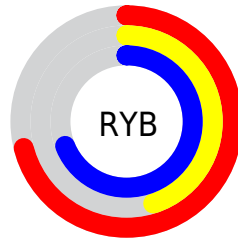
Distribution



Red (71%)

Green (45%)

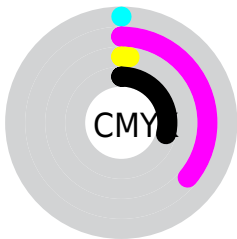
Blue (69%)



Red (71%)

Yellow (45%)

Blue (69%)

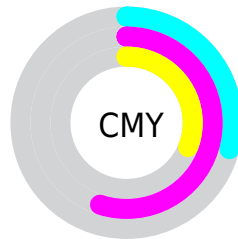


Cyan (0%)

Magenta (36%)

Yellow (2%)

Black (29%)



Cyan (29%)

Magenta (55%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 116, 176 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 180, 116, 176 by changing the saturation by 10% instead.

 180, 116, 176


255, 255, 255


 237, 169, 232

 255, 197, 255

 255, 225, 255

255, 254, 255

 180, 116, 176


 180, 98, 175

 180, 116, 176

 153, 91, 149

 126, 66, 123


 100, 42, 98

 75, 17, 74


 51, 0, 51


 29, 0, 30


 0, 0, 0


 180, 116, 176

 180, 134, 177


 180, 80, 174


 180, 152, 178

 180, 62, 173

 180, 170, 179

 180, 44, 172

 180, 187, 188

 180, 26, 170

 180, 204, 206

 180, 8, 169

 180, 221, 224

 180, 0, 169

 180, 238, 242

 180, 250, 255

 180, 249, 255

Harmonies

Analogous

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



137, 129, 201



180, 116, 176



202, 108, 141

Triad

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



180, 116, 176



101, 161, 65



0, 81, 170

Complementary

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



180, 116, 176



116, 176, 180

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, 84, 156



180, 116, 176



73, 146, 94

Square

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



180, 116, 176



189, 151, 78



81, 139, 153



0, 86, 198

Rectangle

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



180, 116, 176



206, 109, 117



81, 139, 153



0, 79, 159

Sweetspot

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



180, 116, 176



235, 209, 233



119, 116, 180



117, 102, 116



245, 245, 245



117, 117, 117

Same Dimension

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



180, 116, 176



235, 134, 228



180, 116, 145



89, 80, 89



153, 0, 143



26, 0, 24

Inverse Universe

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



180, 116, 176



235, 134, 228



116, 157, 180



89, 80, 89



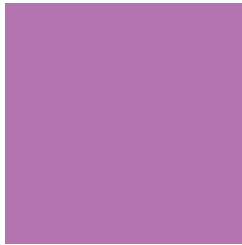
153, 0, 143



26, 0, 24

Previews

White Background



This preview shows how the RYB color 180, 116, 176 looks on a white background.

Color Contrast Check

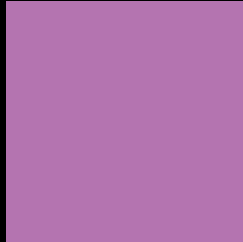
Large Text (above 18pt) WCAG AA ✓ Pass

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 180, 116, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

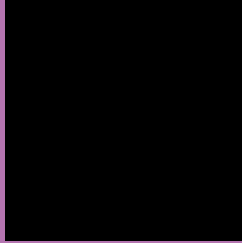
Any Text WCAG AA ✓ Pass

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 180, 116, 176 Background



This preview shows how black text looks on a background with the RYB color 180, 116, 176.

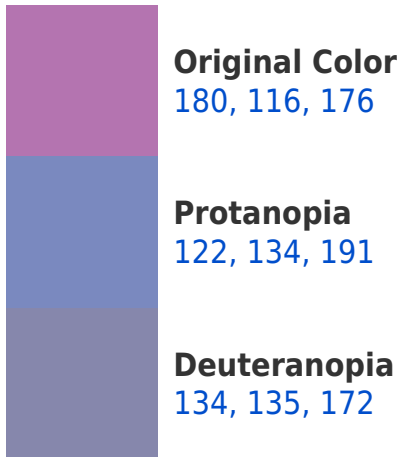


This preview shows how white text looks on a background with the RYB color 180, 116, 176.

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
175, 124, 134

Trichromacy



Original Color
180, 116, 176

Protanomaly
143, 129, 186

Deuteranomaly
151, 128, 173

Tritanomaly
177, 121, 149

Monochromacy



Original Color
180, 116, 176

Achromatopsia
142, 142, 142

Achromatomaly
156, 133, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 116, 176 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(180, 116, 176)` looks like.

```
.text, #text, p{  
    color:rgb(180, 116, 176)  
}
```

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(180, 116, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 116, 176) }
```

Border

The CSS property to change the border of an element to RYB 180, 116, 176 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(180, 116, 176) }
```

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

```
.border{ border-color:rgb(180, 116, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 116, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 116, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 116, 176);  
box-shadow:4px 4px 4px 4px rgb(180, 116,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 180, 116, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 116, 176) }
```

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

```
.background{ background-color: rgb(180,  
116, 176) }
```

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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