

Converting Colors

`RYB(180, 120, 160)`

Have a look what the booklet for
RYB(180, 120, 160) contains.

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Color

$\text{RYB}(180, 120, 160)$

Conversions

Conversions Part 1

Format	Color
Hex	B478A0
RGB	180, 120, 160
RGB Percent	71%, 47%, 63%
CMY	0.2941, 0.5294, 0.3725
CMYK	0.00, 0.33, 0.11, 0.29
HSL	320°, 29%, 59%
HSV	320°, 33%, 71%
XYZ	31.8840, 25.6743, 36.5329
YIQ	142.5000, 22.9200, 25.1600

Conversions

Conversions Part 2

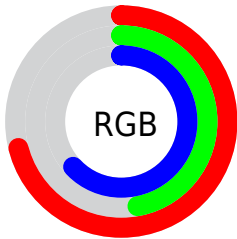
Format	Color
RYB	180, 120, 160
Decimal	11827360
CIELab	57.73, 29.63, -11.86
CIELCh	58, 31.913, 338.183
Yxy	25.6743, 0.3389, 0.2729
Android (android.graphics.Color)	4290017440 (0xFFB478A0)
YUV	142.5000, 8.6275, 32.8875
Hunter-Lab	50.6698, 23.6491, -7.2791

Details

The RYB color **180, 120, 160** is a light color, and the websafe version is hex **996699**. A complement of this color would be **120, 165, 180**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **237, 173, 215**, and **126, 70, 108** is the 20% darker color. If you saturate the color by 10%, you get **180, 102, 154**, and if you desaturate by 10%, it is **180, 138, 166**.

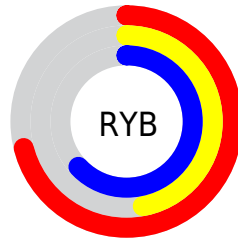
Distribution



Red (71%)

Green (47%)

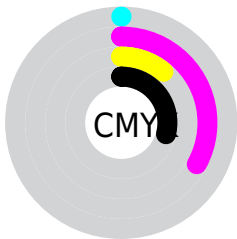
Blue (63%)



Red (71%)

Yellow (47%)

Blue (63%)

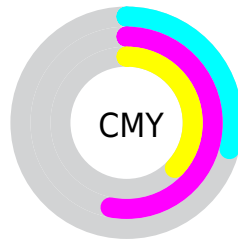


Cyan (0%)

Magenta (33%)

Yellow (11%)

Black (29%)



Cyan (29%)

Magenta (53%)

Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the RYB color 180, 120, 160 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, 120, 160 by changing the saturation by 10% instead.


 180, 120, 160

255, 255, 255

 237, 173, 215

 255, 201, 243

 255, 229, 255

 180, 120, 160

 153, 95, 134

 126, 70, 108

 100, 46, 84

 75, 23, 61


 51, 0, 39

 30, 0, 18

 0, 0, 0


 180, 120, 160


 180, 102, 154


 180, 120, 160


 180, 138, 166


 180, 84, 148


 180, 156, 172

 180, 66, 142


 180, 174, 178

 180, 48, 136

 180, 189, 192

 180, 30, 130

 180, 203, 210

 180, 12, 124

 180, 216, 228

 180, 0, 120

 180, 230, 246

 180, 235, 255

 180, 232, 255

Harmonies

Analogous

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



152, 129, 183



180, 120, 160



193, 117, 132

Triad

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



180, 120, 160



96, 150, 83



23, 92, 172

Complementary

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



180, 120, 160



120, 165, 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.



47, 103, 154



180, 120, 160



94, 147, 122

Square

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



180, 120, 160



174, 172, 87



85, 130, 152



63, 114, 190

Rectangle

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



180, 120, 160



192, 119, 114



85, 130, 152



24, 91, 164

Sweetspot

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



180, 120, 160



235, 211, 227



140, 120, 180



117, 103, 113



245, 245, 245



117, 117, 117

Same Dimension

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



180, 120, 160



235, 141, 203



180, 120, 130



89, 80, 86



153, 0, 102



26, 0, 17

Inverse Universe

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



180, 120, 160



235, 141, 203



120, 153, 180



89, 80, 86



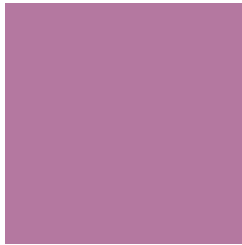
153, 0, 102



26, 0, 17

Previews

White Background



This preview shows how the RYB color 180, 120, 160 looks on a white background.

Color Contrast Check

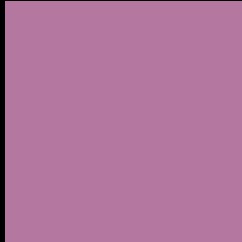
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120, 160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

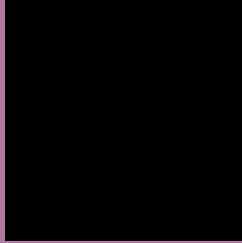
Any Text WCAG AA ✓ Pass

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, 120, 160 Background



This preview shows how black text looks on a background with the RYB color 180, 120, 160.

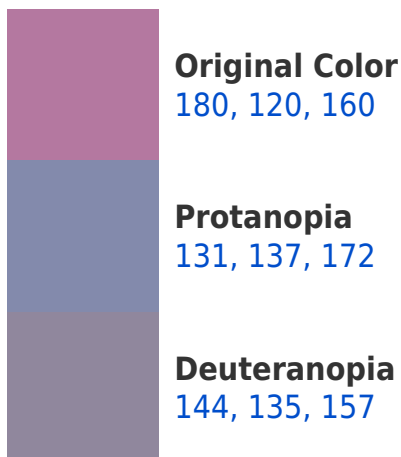



This preview shows how white text looks on a background with the RYB color 180, 120, 160.

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
177, 125, 134

Trichromacy



Original Color
180, 120, 160

Protanomaly
149, 131, 168

Deuteranomaly
157, 130, 158

Tritanomaly
178, 123, 143

Monochromacy



Original Color
180, 120, 160

Achromatopsia
143, 143, 143

Achromatomaly
156, 135, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 120, 160 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, 120, 160)` looks like.

```
.text, #text, p{  
    color:rgb(180, 120, 160)  
}
```

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, 120, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 120, 160) }
```

Border

The CSS property to change the border of an element to RYB 180, 120, 160 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, 120, 160) }
```

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

```
.border{ border-color:rgb(180, 120, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 120, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 120, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 120, 160);  
box-shadow:4px 4px 4px 4px rgb(180, 120,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 180, 120, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 120, 160) }
```

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

```
.background{ background-color: rgb(180,  
120, 160) }
```

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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