

Converting Colors

`RYB(178, 126, 180)`

Have a look what the booklet for
RYB(178, 126, 180) contains.

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Color

`RYB(178, 126, 180)`

Conversions

Conversions Part 1

Format	Color
Hex	B27EB4
RGB	178, 126, 180
RGB Percent	70%, 49%, 71%
CMY	0.3020, 0.5059, 0.2941
CMYK	0.01, 0.30, 0.00, 0.29
HSL	298°, 26%, 60%
HSV	298°, 30%, 71%
XYZ	34.0592, 27.6820, 46.7281
YIQ	147.7040, 13.6580, 27.8180

Conversions

Conversions Part 2

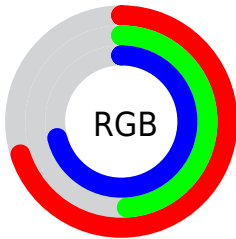
Format	Color
R_{YB}	178, 126, 180
Decimal	11697844
CIE _{Lab}	59.60, 29.28, -20.51
CIE _{LCh}	60, 35.749, 324.984
Yxy	27.6820, 0.3140, 0.2552
Android (android.graphics.Color)	4289887924 (0xFFB27EB4)
YUV	147.7040, 15.9219, 26.5696
Hunter-Lab	52.6137, 23.4771, -15.8280

Details

The RYB color **178, 126, 180** is a light color, and the websafe version is hex **996699**. A complement of this color would be **126, 180, 178**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **234, 179, 236**, and **124, 76, 127** is the 20% darker color. If you saturate the color by 10%, you get **177, 108, 180**, and if you desaturate by 10%, it is **179, 144, 180**.

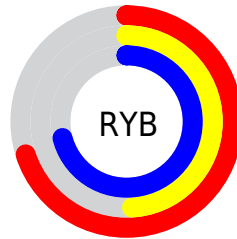
Distribution



Red (70%)

Green (49%)

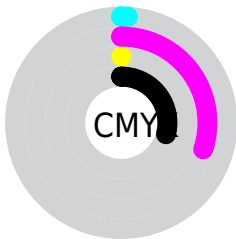
Blue (71%)



Red (70%)

Yellow (49%)

Blue (71%)

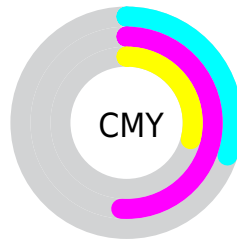


Cyan (1%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (30%)

Magenta (51%)

Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the RYB color 178, 126, 180 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 178, 126, 180 by changing the saturation by 10% instead.

 178, 126, 180


255, 255, 255

 234, 179, 236

 255, 207, 255


 255, 235, 255

 178, 126, 180

 151, 101, 153

 124, 76, 127

 99, 52, 102

 74, 29, 78

 50, 5, 55


 32, 0, 34

 0, 0, 6

 0, 0, 0

 178, 126, 180


 178, 126, 180


 177, 108, 180


 179, 144, 180


 177, 90, 180

 179, 162, 180

 176, 72, 180

 180, 180, 180

 175, 54, 180

 180, 198, 197

 175, 36, 180

 180, 216, 215

 174, 18, 180

 180, 234, 232

 173, 0, 180

 180, 252, 249

 180, 255, 252

 180, 255, 251

Harmonies

Analogous

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



139, 137, 200



178, 126, 180



200, 119, 150

Triad

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



178, 126, 180



123, 169, 80



0, 82, 169

Complementary

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



178, 126, 180



126, 180, 178

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.



54, 113, 160



178, 126, 180



85, 150, 98

Square

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



178, 126, 180



192, 150, 93



100, 151, 156



0, 86, 194

Rectangle

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



178, 126, 180



205, 119, 129



100, 151, 156



0, 80, 160

Sweetspot

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



178, 126, 180



234, 213, 235



126, 129, 180



117, 104, 117



245, 245, 245



117, 117, 117

Same Dimension

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



178, 126, 180



231, 150, 235



180, 126, 156



89, 80, 89



147, 0, 153



25, 0, 26

Inverse Universe

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



180, 126, 128



235, 150, 153



126, 163, 180



89, 80, 81



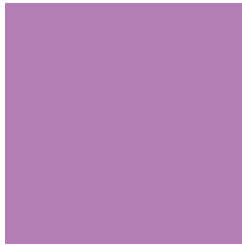
153, 0, 6



26, 0, 1

Previews

White Background



This preview shows how the RYB color 178, 126, 180 looks on a white background.

Color Contrast Check

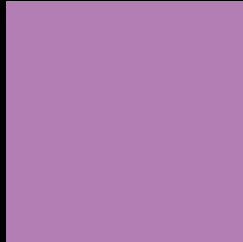
Large Text (above 18pt) WCAG AA ✓ Pass

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 178, 126, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

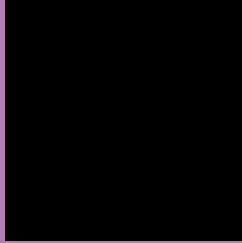
Any Text WCAG AA ✓ Pass

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 178, 126, 180 Background



This preview shows how black text looks on a background with the RYB color 178, 126, 180.



This preview shows how white text looks on a background with the RYB color 178, 126, 180.

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
178, 126, 180

Protanopia
130, 140, 192

Deuteranopia
141, 141, 177



Tritanopia
173, 133, 143

Trichromacy



Original Color
178, 126, 180

Protanomaly
147, 136, 188

Deuteranomaly
154, 136, 178

Tritanomaly
175, 130, 156

Monochromacy



Original Color
178, 126, 180

Achromatopsia
148, 148, 148

Achromatomaly
159, 140, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 126, 180 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(178, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(178, 126, 180)  
}
```

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(178, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 126, 180) }
```

Border

The CSS property to change the border of an element to RYB 178, 126, 180 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(178, 126, 180) }
```

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

```
.border{ border-color:rgb(178, 126, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(178, 126,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 178, 126, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 126, 180) }
```

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

```
.background{ background-color: rgb(178,  
126, 180) }
```

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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