

Converting Colors

RGB(80, 178, 109)

Have a look what the booklet for
RGB(80, 178, 109) contains.

RGB(80, 178, 109)	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

RGB(80, 178, 109)

Conversions

Conversions Part 1

Format	Color
Hex	50B26D
RGB	80, 178, 109
RGB Percent	31%, 70%, 43%
CMY	0.6863, 0.3020, 0.5725
CMYK	0.55, 0.00, 0.39, 0.30
HSL	138°, 39%, 51%
HSV	138°, 55%, 70%
XYZ	21.9890, 34.6504, 19.9973
YIQ	140.8320, -36.2590, -42.2350

Conversions

Conversions Part 2

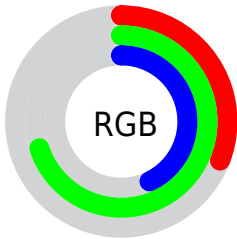
Format	Color
RYB	80, 156, 178
Decimal	5288557
CIELab	65.48, -44.24, 26.79
CIELCh	65, 51.723, 148.804
Yxy	34.6504, 0.2869, 0.4521
Android (android.graphics.Color)	4283478637 (0xFF50B26D)
YUV	140.8320, -15.6932, -53.3497
Hunter-Lab	58.8646, -36.3340, 21.0634

Details

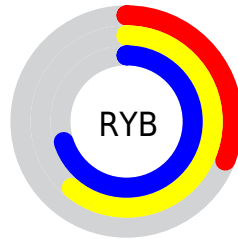
The RGB color **80, 178, 109** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **178, 80, 149**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **136, 234, 161**, and **8, 124, 60** is the 20% darker color. If you saturate the color by 10%, you get **62, 178, 96**, and if you desaturate by 10%, it is **98, 178, 122**.

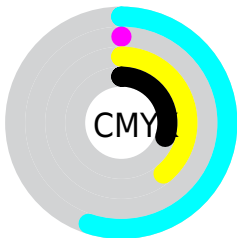
Distribution



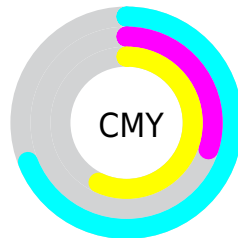
- Red (31%)
- Green (70%)
- Blue (43%)



- Red (31%)
- Yellow (61%)
- Blue (70%)



- Cyan (55%)
- Magenta (0%)
- Yellow (39%)
- Black (30%)





- Cyan (69%)
- Magenta (30%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the RGB color 80, 178, 109 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 RGB color 80, 178, 109 by changing the saturation by 10% instead.


 80, 178, 109

 80, 178, 109

255, 255, 255

 50, 151, 84

 136, 234, 161

 8, 124, 60

 165, 255, 188

 0, 99, 37

 193, 255, 216

 0, 74, 14


 222, 255, 245


 0, 50, 0

 252, 255, 255

 0, 28, 0

 0, 0, 0

 80, 178, 109

 80, 178, 109

 62, 178, 96

 98, 178, 122

■ 44, 178, 84

■ 116, 178, 134

■ 27, 178, 71

■ 133, 178, 147

■ 9, 178, 59

■ 151, 178, 159

■ 0, 178, 53

■ 169, 178, 172

■ 187, 178, 184

■ 205, 178, 197

■ 222, 178, 209

■ 240, 178, 222

Harmonies

Analogous

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



141, 169, 74



80, 178, 109



0, 182, 156

Triad

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



80, 178, 109



59, 165, 251



243, 123, 117

Complementary

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



80, 178, 109



178, 80, 149

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.



242, 119, 163



80, 178, 109



158, 148, 240

Square

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



80, 178, 109



0, 176, 237



214, 129, 208



223, 139, 80

Rectangle

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



80, 178, 109



0, 182, 187



214, 129, 208



246, 120, 132

Sweetspot

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



80, 178, 109



193, 232, 204



150, 178, 80



94, 117, 101



245, 245, 245



117, 117, 117

Same Dimension

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



80, 178, 109



79, 232, 124



80, 178, 157



80, 89, 83



0, 153, 45



0, 26, 8

Inverse Universe

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



178, 80, 149



232, 79, 187



178, 80, 101



89, 80, 87



153, 0, 108



26, 0, 18

Previews

White Background



This preview shows how the RGB color 80, 178, 109 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 80, 178, 109 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 80, 178, 109 Background



This preview shows how black text looks on a background with the RGB color 80, 178, 109.



This preview shows how white text looks on a background with the RGB color 80, 178, 109.

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
80, 178, 109

Protanopia
172, 158, 101

Deuteranopia
187, 151, 115



Tritanopia
99, 169, 183

Trichromacy



Original Color

80, 178, 109



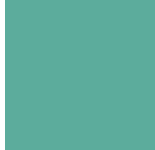
Protanomaly

139, 165, 104



Deuteranomaly

148, 161, 113



Tritanomaly

92, 172, 156

Monochromacy



Original Color

80, 178, 109



Achromatopsia

141, 141, 141



Achromatomaly

119, 154, 129

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 178, 109 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(80, 178, 109)` looks like.

```
.text, #text, p{  
    color:rgb(80, 178, 109)  
}
```

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(80, 178, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 178, 109) }
```

Border

The CSS property to change the border of an element to RGB 80, 178, 109 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(80, 178, 109) }
```

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

```
.border{ border-color:rgb(80, 178, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 178, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 178, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 178, 109);  
box-shadow:4px 4px 4px 4px rgb(80, 178,  
109) }
```

Background

The CSS property to change the background color of an element to RGB 80, 178, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 178, 109) }
```

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

```
.background{ background-color: rgb(80, 178,  
109) }
```

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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