

Converting Colors

RGB(80, 151, 49)

Have a look what the booklet for
RGB(80, 151, 49) contains.

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Color

RGB(80, 151, 49)

Conversions

Conversions Part 1

Format	Color
Hex	509731
RGB	80, 151, 49
RGB Percent	31%, 59%, 19%
CMY	0.6863, 0.4078, 0.8078
CMYK	0.47, 0.00, 0.68, 0.41
HSL	102°, 51%, 39%
HSV	102°, 68%, 59%
XYZ	14.9293, 24.0604, 6.7630
YIQ	118.1430, -9.5740, -46.7740

Conversions

Conversions Part 2

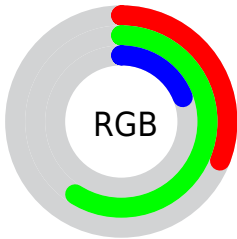
Format	Color
RYB	49, 151, 120
Decimal	5281585
CIELab	56.15, -41.21, 45.19
CIELCh	56, 61.156, 132.362
Yxy	24.0604, 0.3263, 0.5259
Android (android.graphics.Color)	4283471665 (0xFF509731)
YUV	118.1430, -34.0875, -33.4514
Hunter-Lab	49.0514, -31.5119, 26.1614

Details

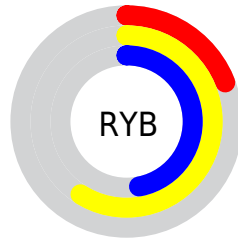
The RGB color **80, 151, 49** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **120, 49, 151**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **135, 206, 100**, and **19, 99, 0** is the 20% darker color. If you saturate the color by 10%, you get **69, 151, 34**, and if you desaturate by 10%, it is **91, 151, 64**.

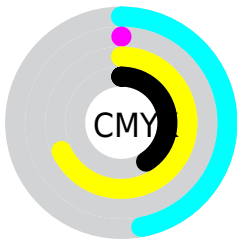
Distribution



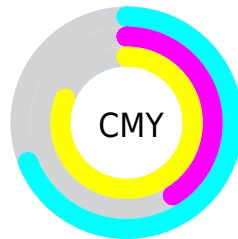
- Red (31%)
- Green (59%)
- Blue (19%)



- Red (19%)
- Yellow (59%)
- Blue (47%)



- Cyan (47%)
- Magenta (0%)
- Yellow (68%)
- Black (41%)



- Cyan (69%)
- Magenta (41%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 151, 49 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, 151, 49 by changing the saturation by 10% instead.



80, 151, 49



80, 151, 49

255, 255, 255



52, 125, 22



135, 206, 100



19, 99, 0



163, 234, 127



0, 75, 0



191, 255, 153



0, 51, 0



220, 255, 181



0, 30, 0



249, 255, 209



0, 0, 0



255, 255, 238



80, 151, 49



80, 151, 49



69, 151, 34



91, 151, 64

■ 59, 151, 19

■ 101, 151, 79

■ 48, 151, 4

■ 112, 151, 94

■ 46, 151, 0

■ 122, 151, 109

■ 133, 151, 125

■ 143, 151, 140

■ 154, 151, 155

■ 164, 151, 170

■ 175, 151, 185

Harmonies

Analogous

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



140, 139, 3



80, 151, 49



0, 157, 100

Triad

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



80, 151, 49



0, 149, 236



230, 82, 115

Complementary

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



80, 151, 49



120, 49, 151

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.



214, 88, 168



80, 151, 49



60, 133, 239

Square

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



80, 151, 49



0, 157, 205



165, 110, 214



218, 98, 65

Rectangle

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



80, 151, 49



0, 159, 137



165, 110, 214



228, 81, 133

Sweetspot

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



80, 151, 49



169, 196, 157



151, 119, 49



83, 99, 76



227, 227, 227



99, 99, 99

Same Dimension

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



80, 151, 49



86, 196, 37



49, 151, 68



71, 77, 69



43, 140, 0



4, 13, 0

Inverse Universe

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



120, 49, 151



148, 37, 196



151, 49, 132



74, 69, 77



98, 0, 140



9, 0, 13

Previews

White Background



This preview shows how the RGB color 80, 151, 49 looks on a white background.

Color Contrast Check

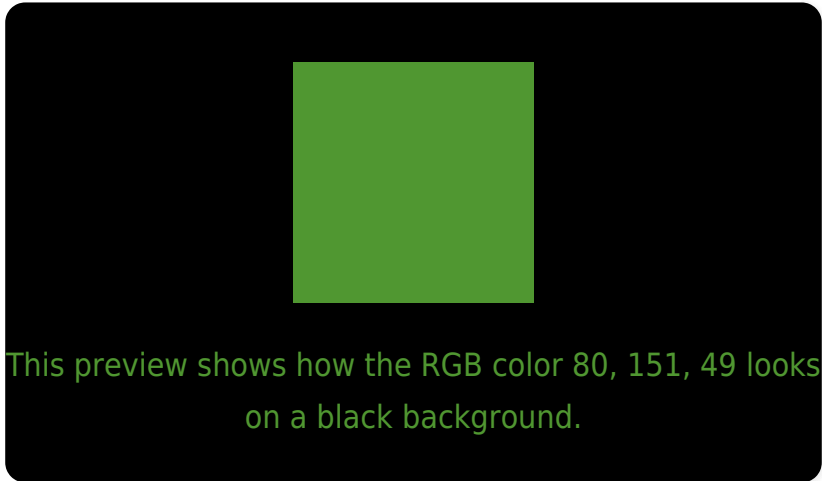
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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](#).

RGB 80, 151, 49 Background



This preview shows how black text looks on a background with the RGB color 80, 151, 49.



This preview shows how white text looks on a background with the RGB color 80, 151, 49.

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, 151, 49

Protanopia
150, 134, 44

Deuteranopia
166, 127, 57



Tritanopia
98, 141, 152

Trichromacy



Original Color
80, 151, 49

Protanomaly
125, 140, 46

Deuteranomaly
135, 136, 54

Tritanomaly
91, 145, 115

Monochromacy



Original Color
80, 151, 49

Achromatopsia
118, 118, 118

Achromatomaly
104, 130, 93

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 151, 49 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, 151, 49)` looks like.

```
.text, #text, p{  
    color:rgb(80, 151, 49)  
}
```

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, 151, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 151, 49) }
```

Border

The CSS property to change the border of an element to RGB 80, 151, 49 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, 151, 49) }
```

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

```
.border{ border-color:rgb(80, 151, 49) }
```

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

Here you see how a box with a 4 pixel rgb(80, 151, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 151, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 151, 49);  
box-shadow:4px 4px 4px 4px rgb(80, 151,  
49) }
```

Background

The CSS property to change the background color of an element to RGB 80, 151, 49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 151, 49) }
```

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

```
.background{ background-color: rgb(80, 151,  
49) }
```

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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