

Converting Colors

RGB(49, 127, 112)

Have a look what the booklet for
RGB(49, 127, 112) contains.

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Color

RGB(49, 127, 112)

Conversions

Conversions Part 1

Format	Color
Hex	317F70
RGB	49, 127, 112
RGB Percent	19%, 50%, 44%
CMY	0.8078, 0.5020, 0.5608
CMYK	0.61, 0.00, 0.12, 0.50
HSL	168°, 44%, 35%
HSV	168°, 61%, 50%
XYZ	11.7806, 17.0016, 17.9900
YIQ	101.9680, -41.6730, -21.2010

Conversions

Conversions Part 2

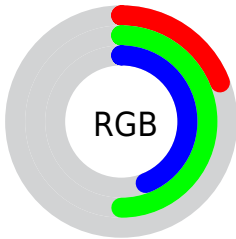
Format	Color
RYB	49, 92, 127
Decimal	3243888
CIELab	48.26, -27.70, 1.05
CIElCh	48, 27.716, 177.827
Yxy	17.0016, 0.2519, 0.3635
Android (android.graphics.Color)	4281433968 (0xFF317F70)
YUV	101.9680, 4.9458, -46.4529
Hunter-Lab	41.2330, -21.1586, 2.9948

Details

The RGB color **49, 127, 112** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **127, 49, 64**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **104, 180, 164**, and **0, 77, 64** is the 20% darker color. If you saturate the color by 10%, you get **36, 127, 110**, and if you desaturate by 10%, it is **62, 127, 114**.

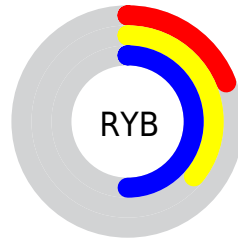
Distribution



Red (19%)

Green (50%)

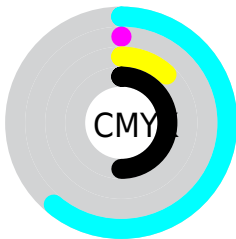
Blue (44%)



Red (19%)

Yellow (36%)

Blue (50%)

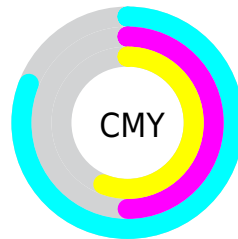


Cyan (61%)

Magenta (0%)

Yellow (12%)

Black (50%)



Cyan (81%)

Magenta (50%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 127, 112 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 49, 127, 112 by changing the saturation by 10% instead.



49, 127, 112



49, 127, 112

255, 255, 255



15, 102, 88



104, 180, 164



0, 77, 64



131, 208, 191



0, 54, 42



159, 236, 219



0, 34, 22



187, 255, 247



0, 0, 0



215, 255, 255



244, 255, 255



49, 127, 112



49, 127, 112



36, 127, 110



62, 127, 114

■ 24, 127, 107

■ 74, 127, 117

■ 11, 127, 105

■ 87, 127, 119

■ 0, 127, 103

■ 100, 127, 122

■ 113, 127, 124

■ 125, 127, 127

■ 138, 127, 129

■ 151, 127, 132

■ 163, 127, 134

Harmonies

Analogous

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



80, 125, 89



49, 127, 112



19, 127, 136

Triad

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



49, 127, 112



115, 109, 156



150, 104, 76

Complementary

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



49, 127, 112



127, 49, 64

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.



160, 98, 94



49, 127, 112



143, 101, 140

Square

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



49, 127, 112



78, 117, 161



158, 97, 117



132, 113, 68

Rectangle

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



49, 127, 112



25, 125, 149



158, 97, 117



154, 102, 81

Sweetspot

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



49, 127, 112



136, 166, 160



65, 127, 49



66, 84, 81



212, 212, 212



84, 84, 84

Same Dimension

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



49, 127, 112



43, 166, 142



49, 104, 127



57, 64, 63



0, 128, 103



0, 0, 0

Inverse Universe

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



127, 49, 64



166, 43, 67



127, 72, 49



64, 57, 59



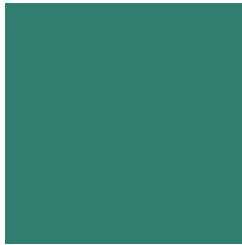
128, 0, 25



0, 0, 0

Previews

White Background



This preview shows how the RGB color 49, 127, 112 looks on a white 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

Black Background



This preview shows how the RGB color 49, 127, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

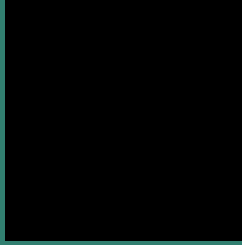
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 49, 127, 112 Background



This preview shows how black text looks on a background with the RGB color 49, 127, 112.



This preview shows how white text looks on a background with the RGB color 49, 127, 112.

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
58, 124, 134

Trichromacy



Original Color
49, 127, 112

Protanomaly
93, 119, 108

Deuteranomaly
97, 116, 115

Tritanomaly
55, 125, 126

Monochromacy



Original Color
49, 127, 112

Achromatopsia
102, 102, 102

Achromatomaly
83, 111, 106

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 127, 112 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(49, 127, 112)` looks like.

```
.text, #text, p{  
    color:rgb(49, 127, 112)  
}
```

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(49, 127, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 127, 112) }
```

Border

The CSS property to change the border of an element to RGB 49, 127, 112 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(49, 127, 112) }
```

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

```
.border{ border-color:rgb(49, 127, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 127, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 127, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 127, 112);  
box-shadow:4px 4px 4px 4px rgb(49, 127,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 49, 127, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 127, 112) }
```

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

```
.background{ background-color: rgb(49, 127,  
112) }
```

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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