Converting Colors

RGB(49, 153, 161)

Have a look what the booklet for RGB(49, 153, 161) contains.

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Color

RGB(49, 153, 161)

Conversions

Conversions Part 1

Format	Color
Hex	3199A1
RGB	49, 153, 161
RGB Percent	19%, 60%, 63%
CMY	0.8078, 0.4000, 0.3686
CMYK	0.70, 0.05, 0.00, 0.37
HSL	184°, 53%, 41%
HSV	184°, 70%, 63%
XYZ	19.0909, 26.0086, 37.7322
YIQ	122.8160, -64.5520, -19.5600

Conversions

Conversions Part 2

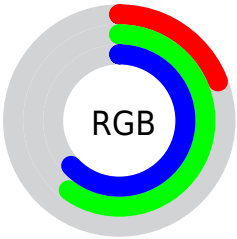
Format	Color
RYB	49, 103, 161
Decimal	3250593
CIELab	58.05, -26.34, -12.82
CIELCh	58, 29.294, 205.944
Yxy	26.0086, 0.2305, 0.3140
Android (android.graphics.Color)	4281440673 (0xFF3199A1)
YUV	122.8160, 18.8247, -64.7366
Hunter-Lab	50.9987, -22.4279, -8.1676

Details

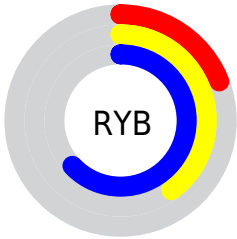
The RGB color 49, 153, 161 is a dark color, and the websafe version is hex 339999. A complement of this color would be 161, 57, 49, and the grayscale version is 123, 123, 123.

A 20% lighter version of the original color is 111, 208, 216, and 0, 101, 110 is the 20% darker color. If you saturate the color by 10%, you get 33, 152, 161, and if you desaturate by 10%, it is 65, 154, 161.

Distribution

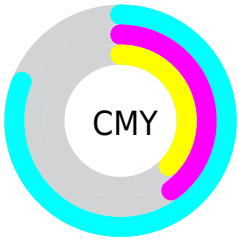


- Red (19%)
- Green (60%)
- Blue (63%)



- Red (19%)
- Yellow (40%)
- Blue (63%)

- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (37%)



- Cyan (81%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 153, 161 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, 153, 161 by changing the saturation by 10% instead.

49, 153, 161	49, 153, 161
255, 255, 255	0, 127, 135
111, 208, 216	0, 101, 110
140, 236, 244	0, 77, 85
169, 255, 255	0, 54, 62
198, 255, 255	0, 34, 40
228, 255, 255	0, 1, 20
	0, 0, 0

49, 153, 161	49, 153, 161
33, 152, 161	65, 154, 161

17, 151, 161

1, 150, 161

0, 150, 161

81, 155, 161

97, 156, 161

113, 158, 161

130, 159, 161

146, 160, 161

162, 161, 161

178, 162, 161

194, 163, 161

Harmonies

Analogous

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

73, 153, 135

49, 153, 161

61, 150, 181

Triad

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

49, 153, 161

169, 125, 169

160, 137, 88

Complementary

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

49, 153, 161

161, 57, 49

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.

180, 128, 98

49, 153, 161

186, 120, 144

Square

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

49, 153, 161

138, 134, 185

190, 121, 118

134, 145, 93

Rectangle

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

49, 153, 161

85, 146, 189

190, 121, 118

168, 134, 90

Sweetspot

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

49, 153, 161

165, 206, 209

49, 161, 56

78, 103, 105

232, 232, 232

105, 105, 105

Same Dimension

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

49, 153, 161

36, 197, 209

49, 98, 161

73, 81, 82

0, 135, 145

0, 17, 18

Inverse Universe

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

161, 49, 153

209, 36, 197

161, 112, 49

82, 73, 81

145, 0, 135

18, 0, 17

Previews

White Background

This preview shows how the RGB color 49, 153, 161 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

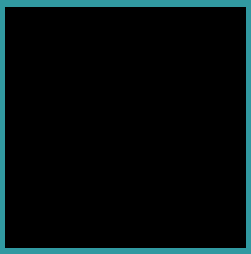
This preview shows how the RGB color 49, 153, 161 looks on a black background.

Color Contrast Check

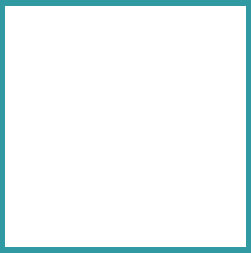
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 49, 153, 161 Background



This preview shows how black text looks on a background with the RGB color 49, 153, 161.



This preview shows how white text looks on a background with the RGB color 49, 153, 161.

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

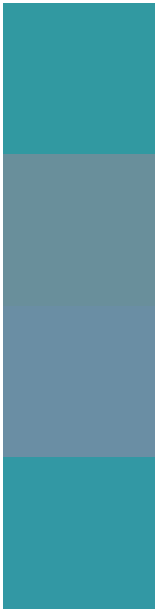
Original Color
49, 153, 161

Protanopia
137, 138, 151

Deuteranopia
139, 135, 165

Tritanopia
51, 152, 165

Trichromacy



Original Color
49, 153, 161

Protanomaly
105, 143, 155

Deuteranomaly
106, 142, 164

Tritanomaly
50, 152, 164

Monochromacy

Original Color
49, 153, 161

Achromatopsia
123, 123, 123

Achromatomaly
96, 134, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 153, 161 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, 153, 161) looks like.

```
.text, #text, p{
    color:rgb(49, 153, 161)
}
```

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, 153, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 153, 161) }
```

Border

The CSS property to change the border of an element to RGB 49, 153, 161 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, 153, 161) }
```

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

```
.border{ border-color:rgb(49, 153, 161) }
```

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

Here you see how a box with a 4 pixel rgb(49, 153, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(49, 153, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(49, 153, 161); box-shadow:4px 4px 4px 4px rgb(49, 153, 161) }
```

Background

The CSS property to change the background color of an element to RGB 49, 153, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(49, 153, 161) }
```

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

```
.background{ background-color:rgb(49, 153,
161) }
```

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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