

Converting Colors

RGB(70, 163, 178)

Have a look what the booklet for
RGB(70, 163, 178) contains.

RGB(70, 163, 178)	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(70, 163, 178)

Conversions

Conversions Part 1

Format	Color
Hex	46A3B2
RGB	70, 163, 178
RGB Percent	27%, 64%, 70%
CMY	0.7255, 0.3608, 0.3020
CMYK	0.61, 0.08, 0.00, 0.30
HSL	188°, 44%, 49%
HSV	188°, 61%, 70%
XYZ	23.6589, 30.7108, 46.8003
YIQ	136.9030, -60.2430, -15.0510

Conversions

Conversions Part 2

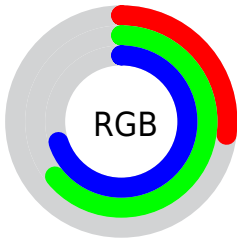
Format	Color
RYB	70, 120, 178
Decimal	4629426
CIELab	62.26, -22.81, -16.00
CIELCh	62, 27.866, 215.043
Yxy	30.7108, 0.2339, 0.3036
Android (android.graphics.Color)	4282819506 (0xFF46A3B2)
YUV	136.9030, 20.2608, -58.6739
Hunter-Lab	55.4174, -20.7749, -11.2786

Details

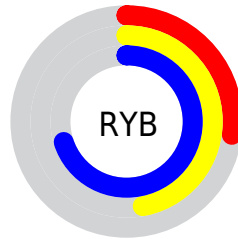
The RGB color **70, 163, 178** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **178, 85, 70**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **129, 218, 234**, and **0, 111, 125** is the 20% darker color. If you saturate the color by 10%, you get **52, 161, 178**, and if you desaturate by 10%, it is **88, 165, 178**.

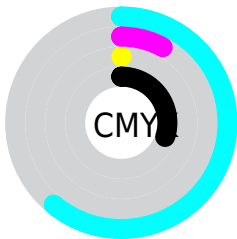
Distribution



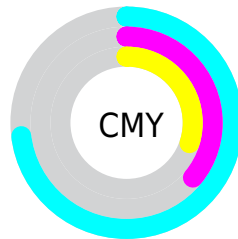
- Red (27%)
- Green (64%)
- Blue (70%)



- Red (27%)
- Yellow (47%)
- Blue (70%)



- Cyan (61%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)




- Cyan (73%)
- Magenta (36%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RGB color 70, 163, 178 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 70, 163, 178 by changing the saturation by 10% instead.

 70, 163, 178

255, 255, 255


 129, 218, 234


 158, 247, 255

 187, 255, 255

 216, 255, 255

 246, 255, 255

 70, 163, 178


 36, 137, 151

 0, 111, 125

 0, 86, 100


 0, 63, 76


 0, 40, 54

 0, 16, 33

 0, 0, 6

 0, 0, 0

 70, 163, 178

 70, 163, 178

■ 52, 161, 178

■ 88, 165, 178

■ 34, 158, 178

■ 106, 168, 178

■ 17, 156, 178

■ 123, 170, 178

■ 0, 153, 178

■ 141, 173, 178

■ 159, 175, 178

■ 177, 178, 178

■ 195, 180, 178

■ 212, 183, 178

■ 230, 185, 178

Harmonies

Analogous

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



81, 164, 154



70, 163, 178



89, 159, 195

Triad

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



70, 163, 178



186, 135, 172



164, 150, 101

Complementary

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



70, 163, 178



178, 85, 70

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.



185, 142, 106



70, 163, 178



199, 132, 147

Square

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



70, 163, 178



159, 143, 191



198, 135, 123



137, 158, 109

Rectangle

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



70, 163, 178



112, 154, 199



198, 135, 123



172, 148, 101

Sweetspot

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



70, 163, 178



190, 226, 232



70, 178, 84



91, 114, 117



245, 245, 245



117, 117, 117

Same Dimension

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



70, 163, 178



63, 209, 232



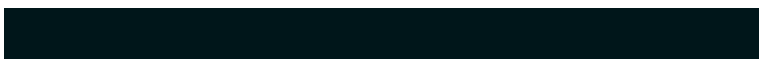
70, 110, 178



80, 88, 89



0, 132, 153



0, 22, 26

Inverse Universe

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



178, 70, 163



232, 63, 209



178, 138, 70



89, 80, 88



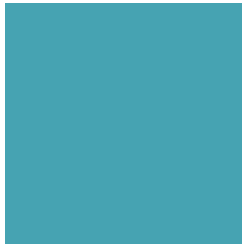
153, 0, 132



26, 0, 22

Previews

White Background



This preview shows how the RGB color 70, 163, 178 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 70, 163, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

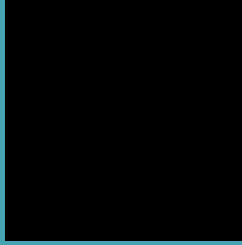
Any Text WCAG AA ✓ Pass

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 70, 163, 178 Background



This preview shows how black text looks on a background with the RGB color 70, 163, 178.

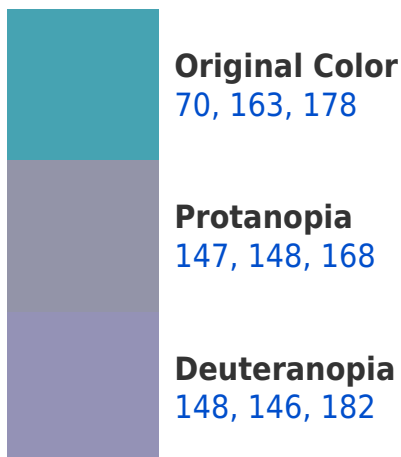


This preview shows how white text looks on a background with the RGB color 70, 163, 178.

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
69, 163, 176

Trichromacy



Original Color
70, 163, 178

Protanomaly
119, 153, 172

Deuteranomaly
120, 152, 181

Tritanomaly
69, 163, 177

Monochromacy



Original Color
70, 163, 178

Achromatopsia
137, 137, 137

Achromatomaly
113, 146, 152

CSS Examples

Text

The CSS property to change the color of the text to RGB 70, 163, 178 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(70, 163, 178)` looks like.

```
.text, #text, p{  
    color:rgb(70, 163, 178)  
}
```

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(70, 163, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 163, 178) }
```

Border

The CSS property to change the border of an element to RGB 70, 163, 178 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(70, 163, 178) }
```

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

```
.border{ border-color:rgb(70, 163, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 163, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 163, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 163, 178);  
box-shadow:4px 4px 4px 4px rgb(70, 163,  
178) }
```

Background

The CSS property to change the background color of an element to RGB 70, 163, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 163, 178) }
```

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

```
.background{ background-color: rgb(70, 163,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor