

Converting Colors

CIELCh(58, 31.787, 167.606)

Have a look what the booklet for
CIELCh(58, 31.787, 167.606)
contains.

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Color

CIELCh(58, 31.775, 167.649)

Conversions

Conversions Part 1

Format	Color
Hex	4B9A7F
RGB	75, 154, 127
RGB Percent	29%, 60%, 50%
CMY	0.7077, 0.3978, 0.5036
CMYK	0.51, 0.00, 0.18, 0.40
HSL	160°, 35%, 45%
HSV	160°, 51%, 60%
XYZ	18.1498, 25.9610, 23.9860
YIQ	127.3010, -38.4170, -25.1450

Conversions

Conversions Part 2

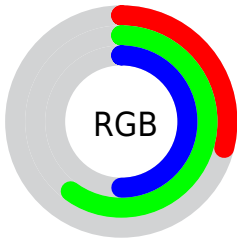
Format	Color
RYB	75, 123, 154
Decimal	4954751
CIELab	58.00, -31.04, 6.80
CIElCh	58, 31.775, 167.649
Yxy	25.9610, 0.2665, 0.3812
Android (android.graphics.Color)	4283144831 (0xFF4B9A7F)
YUV	127.3010, -0.1484, -45.8680
Hunter-Lab	50.9519, -25.5818, 7.7551

Details

The CIELCh color **58, 31.775, 167.649** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **42, 36.038, 359.714**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 31.793, 167.849**, and **38, 31.589, 167.794** is the 20% darker color. If you saturate the color by 10%, you get **57, 36.820, 166.213**, and if you desaturate by 10%, it is **59, 26.222, 168.937**.

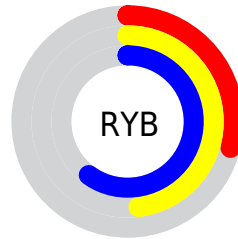
Distribution



Red (29%)

Green (60%)

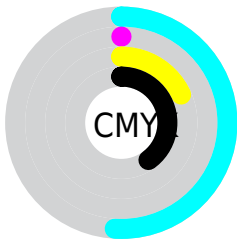
Blue (50%)



Red (29%)

Yellow (48%)

Blue (60%)

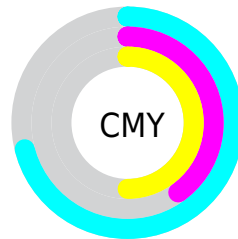


Cyan (51%)

Magenta (0%)

Yellow (18%)

Black (40%)



Cyan (71%)


Magenta (40%)


Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 31.775, 167.649 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 CIELCh color 58, 31.775, 167.649 by changing the saturation by 10% instead.

 58, 31.775,
167.649


 58, 31.775,
167.649


 100, 31.775,
167.649


 48, 31.775,
167.649


 78, 31.775,
167.649

 38, 31.775,
167.649

 88, 31.775,
167.649

 28, 31.775,
167.649

 98, 31.775,
167.649

 18, 31.775,
167.649

 8, 31.775, 167.649

 0, 31.775, 167.649

■ 58, 31.775,
167.649

■ 58, 31.775,
167.649

■ 57, 36.820,
166.213

■ 59, 26.222,
168.937

■ 57, 41.273,
164.610

■ 60, 20.261,
170.104

■ 56, 45.085,
162.817

■ 61, 13.997,
171.172

■ 56, 48.258,
160.827

■ 62, 7.533, 172.169

■ 56, 50.631,
159.065

■ 63, 0.957, 173.419

■ 65, 5.655, 353.797

■ 66, 12.243,
354.626

■ 68, 18.760,
355.387

■ 70, 25.173,
356.104

Harmonies

Complementary

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



58, 31.775, 167.649



42, 36.038, 359.714

Rectangle

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



58, 31.775, 167.649



58, 31.775, 217.649



58, 31.775, 347.649



58, 31.775, 37.649

Sweetspot

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



58, 31.776, 167.648



78, 12.150, 171.792



58, 48.049, 131.699



41, 8.255, 171.601



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 31.776, 167.648



73, 45.594, 165.945



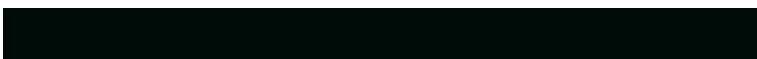
55, 22.059, 215.696



32, 3.710, 172.389



51, 47.235, 159.259



3, 4.062, 172.433

Inverse Universe

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



42, 36.038, 359.714



50, 52.829, 2.311



44, 32.571, 35.710



30, 3.795, 353.932



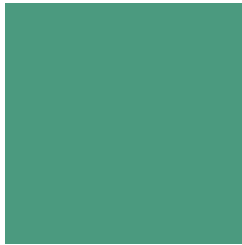
29, 54.953, 15.912



1, 4.023, 353.525

Previews

White Background



This preview shows how the CIELCh color 58, 31.775, 167.649 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 CIELCh color 58, 31.775, 167.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

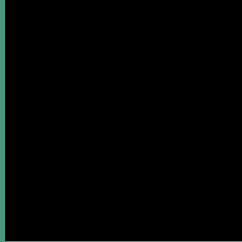
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 31.775, 167.649

Background



This preview shows how black text looks on a background with the CIELCh color 58, 31.775, 167.649.

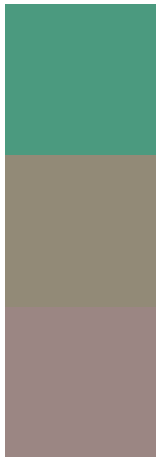


This preview shows how white text looks on a background with the CIELCh color 58, 31.775, 167.649.

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
58, 31.775, 167.649

Protanopia
58, 11.259, 91.741

Deuteranopia
58, 8.714, 31.412



Tritanopia
58, 21.388, 216.454

Trichromacy



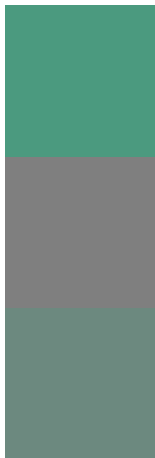
Original Color
58, 31.775, 167.649

Protanomaly
57, 15.778, 145.748

Deuteranomaly
57, 9.082, 149.879

Tritanomaly
58, 23.387, 193.053

Monochromacy



Original Color
58, 31.775, 167.649

Achromatopsia
53, 0.007, 296.813

Achromatomaly
55, 12.616, 171.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 31.775, 167.649 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(75, 154, 127)` looks like.

```
.text, #text, p{  
    color:rgb(75, 154, 127)  
}
```

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(75, 154, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 154, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 31.775, 167.649 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(75, 154, 127) }
```

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

```
.border{ border-color:rgb(75, 154, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 154, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 154, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 154, 127);  
box-shadow:4px 4px 4px 4px rgb(75, 154,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 31.775, 167.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 154, 127) }
```

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

```
.background{ background-color: rgb(75, 154,  
127) }
```

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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