

Converting Colors

CIELCh(63, 31.707, 167.834)

Have a look what the booklet for
CIELCh(63, 31.707, 167.834)
contains.

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Color

CIELCh(63, 31.604, 168.139)

Conversions

Conversions Part 1

Format	Color
Hex	58A78C
RGB	88, 167, 140
RGB Percent	35%, 65%, 55%
CMY	0.6551, 0.3453, 0.4511
CMYK	0.47, 0.00, 0.16, 0.35
HSL	159°, 31%, 50%
HSV	159°, 47%, 65%
XYZ	22.5622, 31.5869, 29.7031
YIQ	140.3010, -38.4170, -25.1450

Conversions

Conversions Part 2

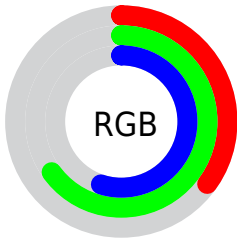
Format	Color
RYB	88, 136, 167
Decimal	5810060
CIELab	63.00, -30.93, 6.50
CIElCh	63, 31.604, 168.139
Yxy	31.5869, 0.2691, 0.3767
Android (android.graphics.Color)	4284000140 (0xFF58A78C)
YUV	140.3010, -0.1484, -45.8680
Hunter-Lab	56.2022, -26.6958, 8.0066

Details

The CIELCh color **63, 31.604, 168.139** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **48, 35.538, 358.981**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 31.795, 168.357**, and **43, 31.376, 168.486** is the 20% darker color. If you saturate the color by 10%, you get **62, 37.226, 166.752**, and if you desaturate by 10%, it is **64, 25.475, 169.386**.

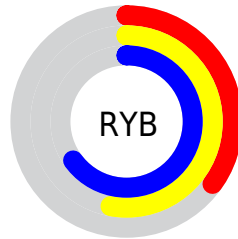
Distribution



Red (35%)

Green (65%)

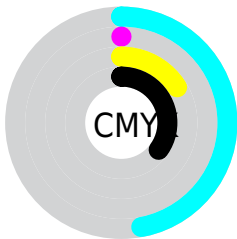
Blue (55%)



Red (35%)

Yellow (53%)

Blue (65%)

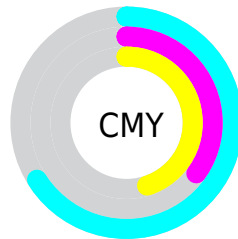


Cyan (47%)

Magenta (0%)

Yellow (16%)

Black (35%)



Cyan (66%)


Magenta (35%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 31.604, 168.139 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 63, 31.604, 168.139 by changing the saturation by 10% instead.


 63, 31.604,
168.139


 63, 31.604,
168.139


 100, 31.604,
168.139


 53, 31.604,
168.139


 83, 31.604,
168.139

 43, 31.604,
168.139

 93, 31.604,
168.139

 33, 31.604,
168.139

 23, 31.604,
168.139

 13, 31.604,
168.139

 3, 31.604, 168.139

 0, 31.604, 168.139

63, 31.604,
168.139

63, 31.604,
168.139

62, 37.226,
166.752

64, 25.475,
169.386

62, 42.239,
165.203

65, 18.951,
170.519

61, 46.576,
163.469

66, 12.144,
171.561

61, 50.217,
161.536

67, 5.162, 172.556

61, 53.238,
159.431

69, 1.905, 353.148

61, 54.016,
158.880

70, 8.981, 354.142

72, 16.008,
354.940

74, 22.942,
355.686

■ 76, 29.752,
356.391

Harmonies

Complementary

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



63, 31.604, 168.139



48, 35.538, 358.981

Rectangle

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



63, 31.604, 168.139



63, 31.604, 218.139



63, 31.604, 348.139



63, 31.604, 38.139

Sweetspot

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



63, 31.605, 168.138



84, 12.170, 171.867



63, 47.521, 131.882



45, 8.456, 171.659



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 31.605, 168.138



79, 45.676, 166.646



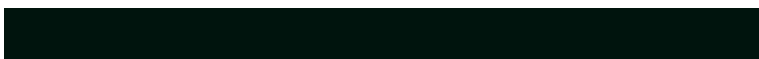
60, 22.159, 215.384



35, 4.016, 172.358



54, 49.212, 159.124



5, 7.741, 168.263

Inverse Universe

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



48, 35.538, 358.981



56, 52.507, 1.153



49, 31.609, 35.380



33, 4.108, 353.927



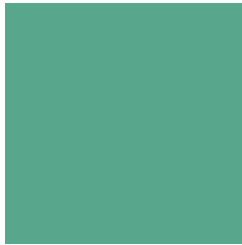
31, 57.174, 16.176



2, 7.183, 356.363

Previews

White Background



This preview shows how the CIELCh color 63, 31.604, 168.139 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 CIELCh color 63, 31.604, 168.139 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](#).

CIELCh 63, 31.604, 168.139

Background



This preview shows how black text looks on a background with the CIELCh color 63, 31.604, 168.139.

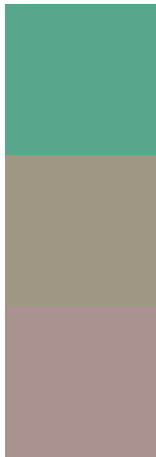


This preview shows how white text looks on a background with the CIELCh color 63, 31.604, 168.139.

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
63, 31.604, 168.139

Protanopia
63, 11.072, 91.911

Deuteranopia
63, 9.254, 27.128



Tritanopia
63, 21.518, 217.723

Trichromacy



Original Color
63, 31.604, 168.139

Protanomaly
62, 15.523, 145.838

Deuteranomaly
62, 8.247, 150.482

Tritanomaly
63, 23.268, 194.631

Monochromacy



Original Color
63, 31.604, 168.139

Achromatopsia
58, 0.007, 296.813

Achromatomaly
60, 12.429, 171.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 31.604, 168.139 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(88, 167, 140)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 140)  
}
```

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(88, 167, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 31.604, 168.139 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(88, 167, 140) }
```

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

```
.border{ border-color:rgb(88, 167, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 140);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 31.604, 168.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 140) }
```

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

```
.background{ background-color: rgb(88, 167,  
140) }
```

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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