

Converting Colors

CIELCh(63, 28.079, 197.030)

Have a look what the booklet for
CIELCh(63, 28.079, 197.030)
contains.

CIELCh(63, 28.048, 197.050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 28.048, 197.050)

Conversions

Conversions Part 1

Format	Color
Hex	4BA6A6
RGB	75, 166, 166
RGB Percent	29%, 65%, 65%
CMY	0.7052, 0.3484, 0.3484
CMYK	0.55, 0.00, 0.00, 0.35
HSL	180°, 38%, 47%
HSV	180°, 55%, 65%
XYZ	23.4736, 31.5869, 41.0062
YIQ	138.7910, -54.2360, -19.2920

Conversions

Conversions Part 2

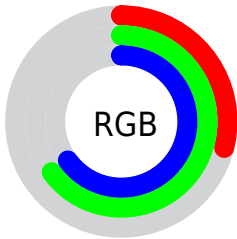
Format	Color
RYB	75, 121, 166
Decimal	4957862
CIELab	63.00, -26.82, -8.22
CIElCh	63, 28.048, 197.050
Yxy	31.5869, 0.2443, 0.3288
Android (android.graphics.Color)	4283147942 (0xFF4BA6A6)
YUV	138.7910, 13.4140, -55.9447
Hunter-Lab	56.2022, -23.8010, -3.9175

Details

The CIELCh color **63, 28.048, 197.050** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **44, 41.733, 25.975**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 27.935, 197.502**, and **43, 27.668, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **63, 31.176, 196.795**, and if you desaturate by 10%, it is **64, 24.186, 197.365**.

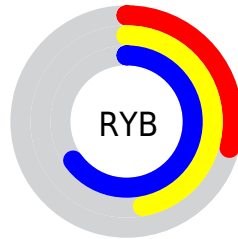
Distribution



Red (29%)

Green (65%)

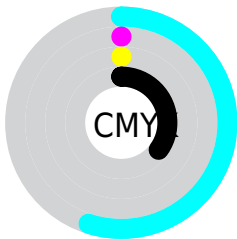
Blue (65%)



Red (29%)

Yellow (47%)

Blue (65%)

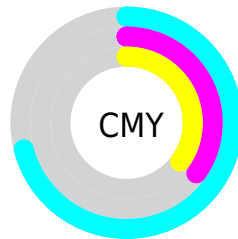


Cyan (55%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (71%)


Magenta (35%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 28.048, 197.050 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, 28.048, 197.050 by changing the saturation by 10% instead.


 63, 28.048,
197.050


 63, 28.048,
197.050


 100, 28.048,
197.050


 53, 28.048,
197.050


 83, 28.048,
197.050

 43, 28.048,
197.050

 93, 28.048,
197.050

 33, 28.048,
197.050

 23, 28.048,
197.050

 13, 28.048,
197.050

 3, 28.048, 197.050

 0, 28.048, 197.050

63, 28.048,
197.050

63, 28.048,
197.050

63, 31.176,
196.795

64, 24.186,
197.365

62, 33.537,
196.606

64, 19.655,
197.744

62, 35.137,
196.478

65, 14.542,
198.182

62, 36.037,
196.407

66, 8.944, 198.679

62, 36.367,
196.381

68, 2.958, 199.306

69, 3.324, 19.551

70, 9.820, 20.224

72, 16.458, 20.841

74, 23.181, 21.459

Harmonies

Complementary

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



63, 28.048, 197.050



44, 41.733, 25.975

Rectangle

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



63, 28.048, 197.050



63, 28.048, 247.050



63, 28.048, 17.050



63, 28.048, 67.050

Sweetspot

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



63, 28.048, 197.048



84, 11.984, 198.598



61, 59.711, 139.615



45, 8.109, 198.497



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, 28.048, 197.048



80, 38.799, 196.742



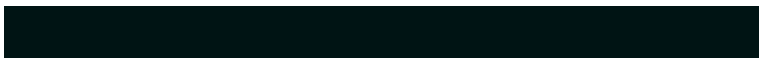
50, 28.529, 264.142



35, 3.516, 198.988



55, 33.389, 196.381



5, 6.572, 199.418

Inverse Universe

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



44, 41.733, 25.975



52, 64.001, 29.242



54, 33.979, 67.015



33, 3.724, 19.903



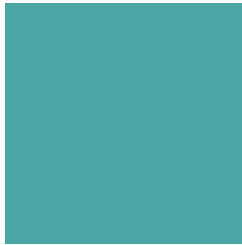
30, 69.025, 39.358



1, 6.572, 19.402

Previews

White Background



This preview shows how the CIELCh color 63, 28.048, 197.050 looks on a white background.

Color Contrast Check

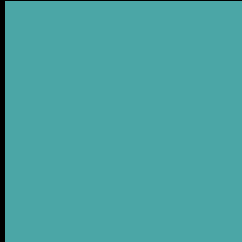
Large Text (above 18pt) WCAG AA × Fail

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, 28.048, 197.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

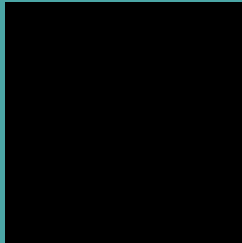
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 28.048, 197.050

Background



This preview shows how black text looks on a background with the CIELCh color 63, 28.048, 197.050.

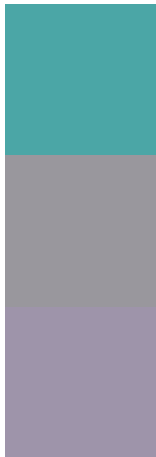


This preview shows how white text looks on a background with the CIELCh color 63, 28.048, 197.050.

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, 28.048, 197.050

Protanopia
63, 3.460, 303.236

Deuteranopia
63, 12.930, 308.067



Tritanopia
63, 26.111, 215.061

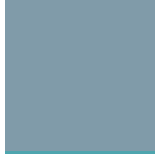
Trichromacy



Original Color
63, 28.048, 197.050



Protanomaly
63, 11.571, 206.833



Deuteranomaly
62, 12.116, 239.335



Tritanomaly
63, 26.628, 208.289

Monochromacy



Original Color
63, 28.048, 197.050



Achromatopsia
58, 0.007, 296.813



Achromatomaly
59, 12.014, 198.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 28.048, 197.050 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, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(75, 166, 166)  
}
```

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, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 166, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 28.048, 197.050 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, 166, 166) }
```

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

```
.border{ border-color:rgb(75, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(75, 166,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 28.048, 197.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 166, 166) }
```

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

```
.background{ background-color: rgb(75, 166,  
166) }
```

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