

Converting Colors

CIELCh(63, 16.325, 197.996)

Have a look what the booklet for
CIELCh(63, 16.325, 197.996)
contains.

CIELCh(63, 16.451, 197.987)	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, 16.451, 197.987)

Conversions

Conversions Part 1

Format	Color
Hex	72A1A1
RGB	114, 161, 161
RGB Percent	45%, 63%, 63%
CMY	0.5534, 0.3691, 0.3691
CMYK	0.29, 0.00, 0.00, 0.37
HSL	180°, 20%, 54%
HSV	180°, 29%, 63%
XYZ	26.0710, 31.5869, 38.3863
YIQ	146.9470, -28.0120, -9.9640

Conversions

Conversions Part 2

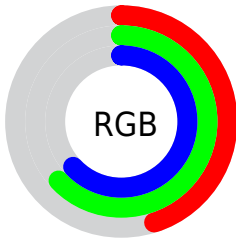
Format	Color
RYB	114, 138, 161
Decimal	7512481
CIELab	63.00, -15.65, -5.08
CIElCh	63, 16.451, 197.987
Yxy	31.5869, 0.2714, 0.3289
Android (android.graphics.Color)	4285702561 (0xFF72A1A1)
YUV	146.9470, 6.9281, -28.8945
Hunter-Lab	56.2022, -15.5515, -1.1537

Details

The CIELCh color **63, 16.451, 197.987** is a light color, and the websafe version is hex **669999**. A complement of this color would be **53, 19.989, 21.744**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 16.588, 198.263**, and **43, 16.387, 199.668** is the 20% darker color. If you saturate the color by 10%, you get **62, 21.195, 197.572**, and if you desaturate by 10%, it is **64, 11.194, 198.452**.

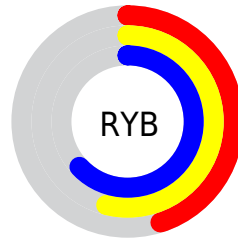
Distribution



Red (45%)

Green (63%)

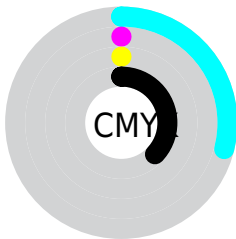
Blue (63%)



Red (45%)

Yellow (54%)

Blue (63%)

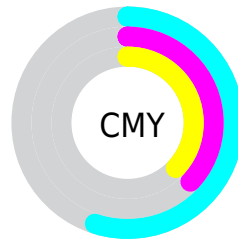


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (55%)


Magenta (37%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 16.451, 197.987 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, 16.451, 197.987 by changing the saturation by 10% instead.


 63, 16.451,
197.987


 63, 16.451,
197.987


 100, 16.451,
197.987


 53, 16.451,
197.987


 83, 16.451,
197.987

 43, 16.451,
197.987

 93, 16.451,
197.987

 33, 16.451,
197.987

 23, 16.451,
197.987

 13, 16.451,
197.987

 3, 16.451, 197.987

 0, 16.451, 197.987

63, 16.451,
197.987

63, 16.451,
197.987

62, 21.195,
197.572

64, 11.194,
198.452

61, 25.335,
197.221

65, 5.518, 198.995

61, 28.795,
196.932

66, 0.484, 18.475

68, 6.727, 19.942

61, 31.523,
196.706

69, 13.138, 20.564

60, 33.504,
196.545

71, 19.656, 21.178

72, 26.229, 21.796

60, 34.762,
196.442

74, 32.819, 22.415

60, 35.463,
196.385

76, 37.892, 22.891

60, 35.514,

Harmonies

Complementary

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



63, 16.451, 197.987



53, 19.989, 21.744

Rectangle

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



63, 16.451, 197.987



63, 16.451, 247.987



63, 16.451, 17.987



63, 16.451, 67.987

Sweetspot

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



63, 16.451, 197.983



83, 6.674, 198.998



62, 31.922, 142.069



43, 4.613, 198.916



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 16.451, 197.983



79, 23.783, 197.711



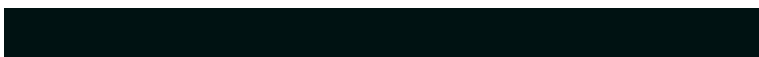
56, 15.214, 257.986



34, 3.428, 198.991



54, 32.967, 196.381



4, 5.463, 199.418

Inverse Universe

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



53, 19.989, 21.744



64, 30.339, 22.556



59, 16.599, 70.108



32, 3.629, 19.900



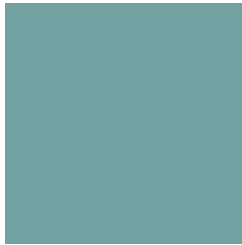
30, 68.062, 39.263



1, 5.464, 19.402

Previews

White Background



This preview shows how the CIELCh color 63, 16.451, 197.987 looks on a white background.

Color Contrast Check

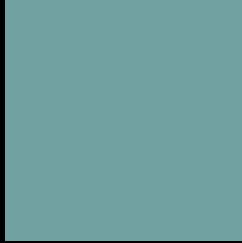
Large Text (above 18pt) WCAG AA × Fail

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, 16.451, 197.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

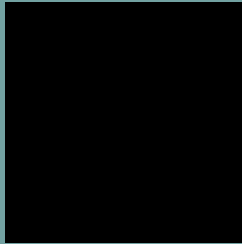
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 16.451, 197.987

Background



This preview shows how black text looks on a background with the CIELCh color 63, 16.451, 197.987.

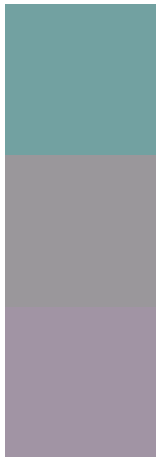


This preview shows how white text looks on a background with the CIELCh color 63, 16.451, 197.987.

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, 16.451, 197.987

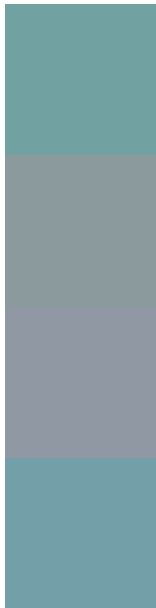
Protanopia
63, 2.534, 317.338

Deuteranopia
63, 10.265, 319.593



Tritanopia
63, 16.072, 225.392

Trichromacy



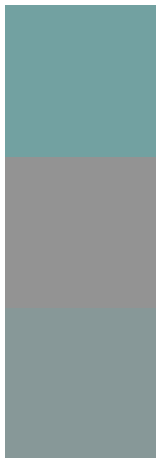
Original Color
63, 16.451, 197.987

Protanomaly
63, 6.029, 209.680

Deuteranomaly
63, 6.442, 259.798

Tritanomaly
63, 15.930, 214.585

Monochromacy



Original Color
63, 16.451, 197.987

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 6.365, 198.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 16.451, 197.987 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(114, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(114, 161, 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(114, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 161, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 16.451, 197.987 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(114, 161, 161) }
```

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

```
.border{ border-color:rgb(114, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(114, 161,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 16.451, 197.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 161, 161) }
```

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

```
.background{ background-color: rgb(114,  
161, 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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