

Converting Colors

CIELCh(64, 18.198, 197.768)

Have a look what the booklet for
CIELCh(64, 18.198, 197.768)
contains.

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Color

CIELCh(64, 17.962, 197.876)

Conversions

Conversions Part 1

Format	Color
Hex	70A4A4
RGB	112, 164, 164
RGB Percent	44%, 64%, 64%
CMY	0.5597, 0.3558, 0.3558
CMYK	0.32, 0.00, 0.00, 0.36
HSL	180°, 22%, 54%
HSV	180°, 32%, 64%
XYZ	26.7663, 32.8017, 40.1719
YIQ	148.4520, -30.9920, -11.0240

Conversions

Conversions Part 2

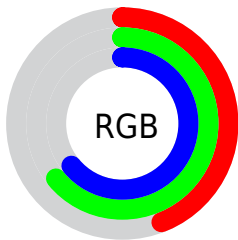
Format	Color
RYB	112, 138, 164
Decimal	7382180
CIELab	64.00, -17.09, -5.51
CIElCh	64, 17.962, 197.876
Yxy	32.8017, 0.2684, 0.3289
Android (android.graphics.Color)	4285572260 (0xFF70A4A4)
YUV	148.4520, 7.6652, -31.9684
Hunter-Lab	57.2727, -16.8058, -1.4960

Details

The CIELCh color $64, 17.962, 197.876$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $53, 22.236, 22.041$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 17.802, 198.189$, and $44, 17.891, 197.400$ is the 20% darker color. If you saturate the color by 10%, you get $63, 22.642, 197.475$, and if you desaturate by 10%, it is $65, 12.736, 198.328$.

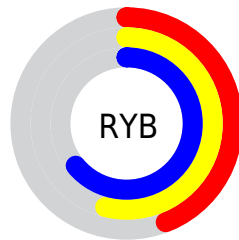
Distribution



Red (44%)

Green (64%)

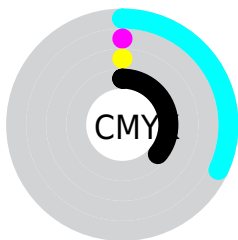
Blue (64%)



Red (44%)

Yellow (54%)

Blue (64%)

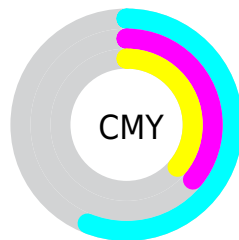


Cyan (32%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (56%)


Magenta (36%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 17.962, 197.876 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 64, 17.962, 197.876 by changing the saturation by 10% instead.


 64, 17.962,
197.876


 64, 17.962,
197.876


 100, 17.962,
197.876


 54, 17.962,
197.876


 84, 17.962,
197.876

 44, 17.962,
197.876

 94, 17.962,
197.876

 34, 17.962,
197.876

 24, 17.962,
197.876

 14, 17.962,
197.876

 4, 17.962, 197.876

 0, 17.962, 197.876

64, 17.962,
197.876

64, 17.962,
197.876

63, 22.642,
197.475

65, 12.736,
198.328

63, 26.685,
197.139

66, 7.059, 198.848

67, 1.027, 199.774

62, 30.019,
196.865

69, 5.271, 19.779

62, 32.600,
196.656

70, 11.757, 20.413

61, 34.421,
196.509

72, 18.366, 21.029

73, 25.043, 21.647

61, 35.522,
196.421

75, 31.744, 22.267

61, 36.064,
196.377

76, 36.355, 22.693

Harmonies

Complementary

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



64, 17.962, 197.876



53, 22.236, 22.041

Rectangle

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



64, 17.962, 197.876



64, 17.962, 247.876



64, 17.962, 17.876



64, 17.962, 67.876

Sweetspot

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



64, 17.962, 197.872



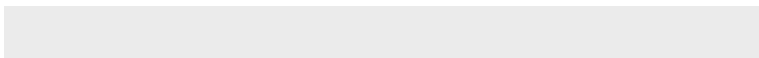
84, 6.806, 198.994



63, 35.161, 141.860



44, 4.705, 198.912



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 17.962, 197.872



81, 25.980, 197.586



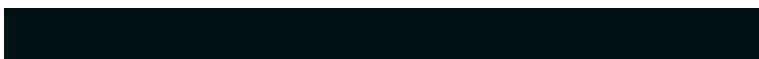
57, 16.735, 258.471



34, 3.428, 198.989



54, 32.968, 196.377



4, 5.463, 199.415

Inverse Universe

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



53, 22.236, 22.041



64, 33.951, 22.998



59, 18.411, 69.809



32, 3.629, 19.898



30, 68.061, 39.262



1, 5.464, 19.400

Previews

White Background



This preview shows how the CIELCh color 64, 17.962, 197.876 looks on a white background.

Color Contrast Check

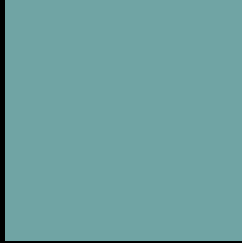
Large Text (above 18pt) WCAG AA × Fail

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 64, 17.962, 197.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

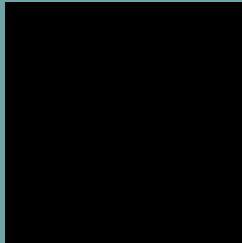
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 17.962, 197.876

Background



This preview shows how black text looks on a background with the CIELCh color 64, 17.962, 197.876.

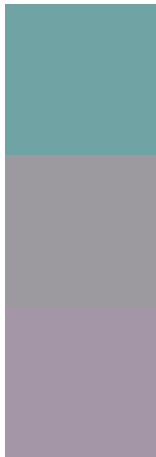


This preview shows how white text looks on a background with the CIELCh color 64, 17.962, 197.876.

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


64, 17.962, 197.876

Protanopia

64, 2.373, 309.134

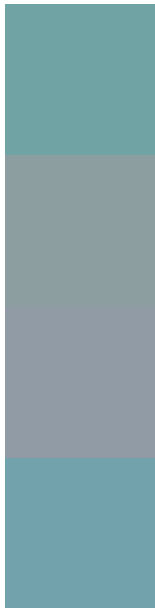
Deuteranopia

64, 10.908, 319.943



Tritanopia
64, 17.391, 222.989

Trichromacy



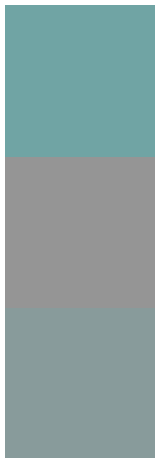
Original Color
64, 17.962, 197.876

Protanomaly
64, 6.718, 208.478

Deuteranomaly
64, 7.079, 259.679

Tritanomaly
64, 17.157, 215.223

Monochromacy



Original Color
64, 17.962, 197.876

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 7.068, 198.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 17.962, 197.876 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(112, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(112, 164, 164)  
}
```

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(112, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 164, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 17.962, 197.876 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(112, 164, 164) }
```

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

```
.border{ border-color:rgb(112, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(112, 164,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 17.962, 197.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 164, 164) }
```

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

```
.background{ background-color: rgb(112,  
164, 164) }
```

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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