

Converting Colors

CIELCh(64, 22.330, 198.107)

Have a look what the booklet for
CIELCh(64, 22.330, 198.107)
contains.

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Color

CIELCh(64, 22.172, 198.998)

Conversions

Conversions Part 1

Format	Color
Hex	63A6A7
RGB	99, 166, 167
RGB Percent	39%, 65%, 65%
CMY	0.6110, 0.3483, 0.3444
CMYK	0.41, 0.01, 0.00, 0.34
HSL	181°, 28%, 52%
HSV	181°, 41%, 66%
XYZ	25.8294, 32.8017, 41.6208
YIQ	146.0810, -40.2530, -13.8930

Conversions

Conversions Part 2

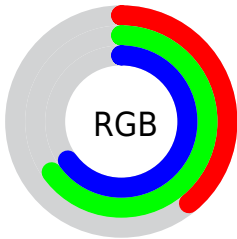
Format	Color
RYB	99, 133, 167
Decimal	6530727
CIELab	64.00, -20.96, -7.22
CIElCh	64, 22.172, 198.998
Yxy	32.8017, 0.2576, 0.3272
Android (android.graphics.Color)	4284720807 (0xFF63A6A7)
YUV	146.0810, 10.3131, -41.2900
Hunter-Lab	57.2727, -19.7258, -2.9958

Details

The CIELCh color **64, 22.172, 198.998** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **50, 29.524, 24.308**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 22.184, 199.273**, and **44, 22.163, 198.543** is the 20% darker color. If you saturate the color by 10%, you get **63, 26.264, 198.738**, and if you desaturate by 10%, it is **65, 17.448, 199.327**.

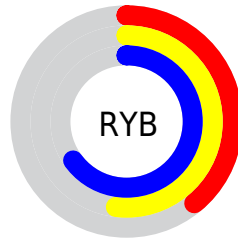
Distribution



Red (39%)

Green (65%)

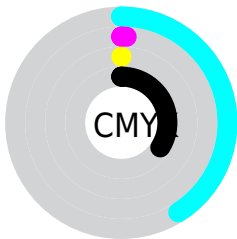
Blue (65%)



Red (39%)

Yellow (52%)

Blue (65%)

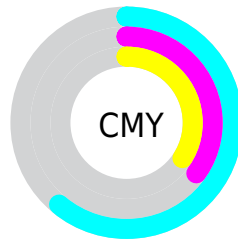


Cyan (41%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (61%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 22.172, 198.998 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, 22.172, 198.998 by changing the saturation by 10% instead.

 64, 22.172,
198.998

 64, 22.172,
198.998

 100, 22.172,
198.998

 54, 22.172,
198.998

 84, 22.172,
198.998


 44, 22.172,
198.998

 94, 22.172,
198.998

 34, 22.172,
198.998

 24, 22.172,
198.998

 14, 22.172,
198.998

 4, 22.172, 198.998

 0, 22.172, 198.998

64, 22.172,
198.998

64, 22.172,
198.998

63, 26.264,
198.738

65, 17.448,
199.327

63, 29.646,
198.559

66, 12.182,
199.726

62, 32.268,
198.465

67, 6.473, 200.202

62, 34.119,
198.459

68, 0.416, 201.775

70, 5.902, 21.050

61, 35.231,
198.539

71, 12.405, 21.639

61, 35.787,
198.673

73, 19.028, 22.217

75, 25.720, 22.800

77, 32.438, 23.386

Harmonies

Complementary

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



64, 22.172, 198.998



50, 29.524, 24.308

Rectangle

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



64, 22.172, 198.998



64, 22.172, 248.998



64, 22.172, 18.998



64, 22.172, 68.998

Sweetspot

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



64, 22.172, 198.995



85, 8.955, 200.122



63, 45.777, 141.405



45, 5.967, 200.060



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 22.172, 198.995



80, 31.506, 198.755



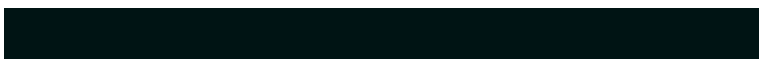
54, 22.021, 262.318



35, 3.463, 200.278



55, 32.712, 198.649



5, 6.436, 201.186

Inverse Universe

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



52, 45.241, 326.989



62, 66.286, 327.425



58, 24.685, 70.428



33, 6.366, 325.314



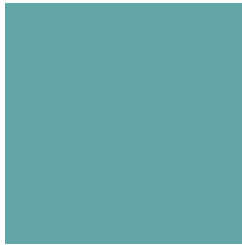
35, 76.130, 328.812



2, 11.510, 324.994

Previews

White Background



This preview shows how the CIELCh color 64, 22.172, 198.998 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, 22.172, 198.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

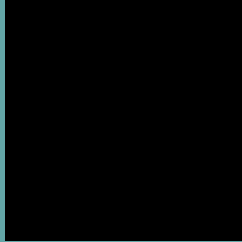
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 22.172, 198.998

Background



This preview shows how black text looks on a background with the CIELCh color 64, 22.172, 198.998.

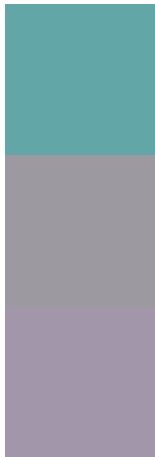


This preview shows how white text looks on a background with the CIELCh color 64, 22.172, 198.998.

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, 22.172, 198.998

Protanopia

64, 4.090, 306.718

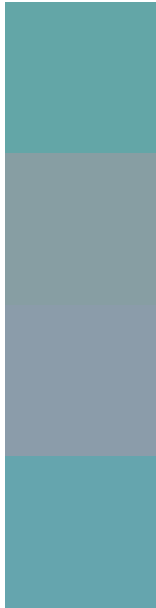
Deuteranopia

64, 12.611, 312.032



Tritanopia
64, 21.273, 217.924

Trichromacy



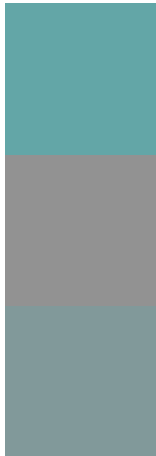
Original Color
64, 22.172, 198.998

Protanomaly
64, 8.736, 217.466

Deuteranomaly
63, 9.776, 252.431

Tritanomaly
64, 21.236, 211.530

Monochromacy



Original Color
64, 22.172, 198.998

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 8.844, 202.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 22.172, 198.998 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(99, 166, 167)` looks like.

```
.text, #text, p{  
    color:rgb(99, 166, 167)  
}
```

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(99, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 166, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 22.172, 198.998 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(99, 166, 167) }
```

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

```
.border{ border-color:rgb(99, 166, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 166, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(99, 166,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 22.172, 198.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 166, 167) }
```

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

```
.background{ background-color: rgb(99, 166,  
167) }
```

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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