

Converting Colors

CIELCh(69, 25.228, 199.952)

Have a look what the booklet for
CIELCh(69, 25.228, 199.952)
contains.

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Color

CIELCh(69, 25.226, 199.948)

Conversions

Conversions Part 1

Format	Color
Hex	66B5B7
RGB	102, 181, 183
RGB Percent	40%, 71%, 72%
CMY	0.5996, 0.2898, 0.2819
CMYK	0.44, 0.01, 0.00, 0.28
HSL	181°, 36%, 56%
HSV	181°, 44%, 72%
XYZ	30.5946, 39.3444, 50.8385
YIQ	157.6070, -47.7260, -16.1260

Conversions

Conversions Part 2

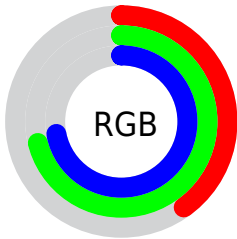
Format	Color
RYB	102, 142, 183
Decimal	6731191
CIELab	69.00, -23.71, -8.61
CIElCh	69, 25.226, 199.948
Yxy	39.3444, 0.2533, 0.3258
Android (android.graphics.Color)	4284921271 (0xFF66B5B7)
YUV	157.6070, 12.5187, -48.7673
Hunter-Lab	62.7251, -22.7044, -4.1468

Details

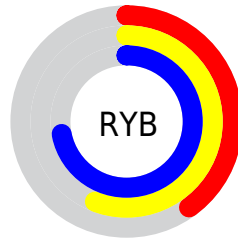
The CIELCh color **69, 25.226, 199.948** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **53, 34.733, 25.586**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 25.102, 200.192**, and **49, 25.212, 199.578** is the 20% darker color. If you saturate the color by 10%, you get **68, 29.294, 199.782**, and if you desaturate by 10%, it is **70, 20.442, 200.197**.

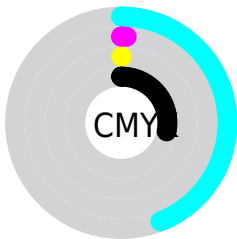
Distribution



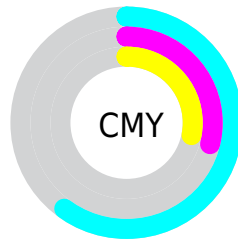
- Red (40%)
- Green (71%)
- Blue (72%)



- Red (40%)
- Yellow (56%)
- Blue (72%)



- Cyan (44%)
- Magenta (1%)
- Yellow (0%)
- Black (28%)




- Cyan (60%)
- Magenta (29%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 25.226, 199.948 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 69, 25.226, 199.948 by changing the saturation by 10% instead.


 69, 25.226,
199.948

 69, 25.226,
199.948


 100, 25.226,
199.948

 59, 25.226,
199.948


 89, 25.226,
199.948

 49, 25.226,
199.948

 99, 25.226,
199.948

 39, 25.226,
199.948

 29, 25.226,
199.948

 19, 25.226,
199.948

 9, 25.226, 199.948

 0, 25.226, 199.948

69, 25.226,
199.948

69, 25.226,
199.948

68, 29.294,
199.782

70, 20.442,
200.197

67, 32.570,
199.714

71, 15.037,
200.527

67, 35.014,
199.749

72, 9.115, 200.934

67, 36.630,
199.893

74, 2.782, 201.501

66, 37.478,
200.144

75, 3.866, 21.660

66, 37.757,
200.320

77, 10.742, 22.258

79, 17.772, 22.812

81, 24.896, 23.372

82, 27.299, 23.882

Harmonies

Complementary

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



69, 25.226, 199.948



53, 34.733, 25.586

Rectangle

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



69, 25.226, 199.948



69, 25.226, 249.948



69, 25.226, 19.948



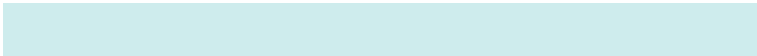
69, 25.226, 69.948

Sweetspot

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



69, 25.226, 199.946



91, 10.300, 200.981



68, 52.800, 141.443



49, 7.221, 200.881



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 25.226, 199.946



86, 35.397, 199.786



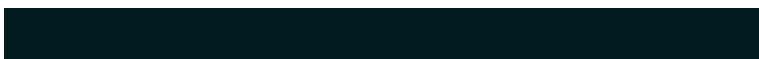
57, 26.223, 265.083



38, 3.684, 201.171



57, 33.486, 200.269



8, 10.110, 201.100

Inverse Universe

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



55, 52.349, 327.468



66, 75.818, 327.918



62, 29.348, 71.617



36, 6.795, 325.594



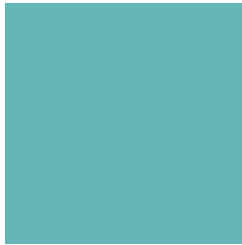
37, 78.381, 329.223



3, 18.360, 325.673

Previews

White Background



This preview shows how the CIELCh color 69, 25.226, 199.948 looks on a white background.

Color Contrast Check

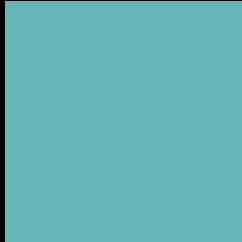
Large Text (above 18pt) WCAG AA × Fail

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 69, 25.226, 199.948 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

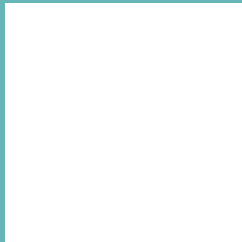
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 25.226, 199.948

Background



This preview shows how black text looks on a background with the CIELCh color 69, 25.226, 199.948.

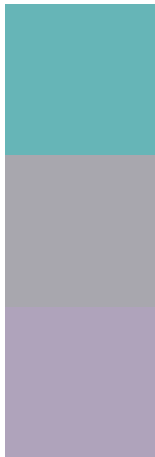


This preview shows how white text looks on a background with the CIELCh color 69, 25.226, 199.948.

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

69, 25.226, 199.948

Protanopia

69, 3.877, 296.084

Deuteranopia

69, 13.978, 309.638



Tritanopia
69, 24.140, 217.877

Trichromacy



Original Color
69, 25.226, 199.948



Protanomaly
68, 10.267, 214.263



Deuteranomaly
68, 11.515, 249.082

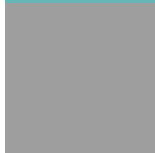


Tritanomaly
69, 24.307, 210.789

Monochromacy



Original Color
69, 25.226, 199.948



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 10.125, 201.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 25.226, 199.948 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(102, 181, 183)` looks like.

```
.text, #text, p{  
    color:rgb(102, 181, 183)  
}
```

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(102, 181, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 181, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 25.226, 199.948 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(102, 181, 183) }
```

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

```
.border{ border-color:rgb(102, 181, 183) }
```

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

Here you see how a box with a 4 pixel rgb(102, 181, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 181, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 181, 183);  
box-shadow:4px 4px 4px 4px rgb(102, 181,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 25.226, 199.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 181, 183) }
```

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

```
.background{ background-color: rgb(102,  
181, 183) }
```

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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