

Converting Colors

CIELCh(69, 25.628, 216.817)

Have a look what the booklet for
CIELCh(69, 25.628, 216.817)
contains.

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Color

CIELCh(69, 25.511, 216.644)

Conversions

Conversions Part 1

Format	Color
Hex	64B4C3
RGB	100, 180, 195
RGB Percent	39%, 71%, 76%
CMY	0.6074, 0.2937, 0.2349
CMYK	0.49, 0.08, 0.00, 0.23
HSL	189°, 44%, 58%
HSV	189°, 49%, 77%
XYZ	31.4716, 39.3444, 57.6270
YIQ	157.7900, -52.4950, -12.2950

Conversions

Conversions Part 2

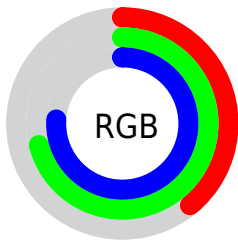
Format	Color
R _{YB}	100, 143, 195
Decimal	6599875
CIE Lab	69.00, -20.47, -15.23
CIE LCh	69, 25.511, 216.644
Yxy	39.3444, 0.2450, 0.3063
Android (android.graphics.Color)	4284789955 (0xFF64B4C3)
YUV	157.7900, 18.3445, -50.6818
Hunter-Lab	62.7251, -20.2086, -10.5636

Details

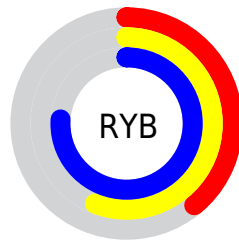
The CIELCh color **69, 25.511, 216.644** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 37.001, 36.190**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 25.672, 217.042**, and **49, 25.463, 216.179** is the 20% darker color. If you saturate the color by 10%, you get **67, 29.028, 217.702**, and if you desaturate by 10%, it is **71, 21.288, 215.877**.

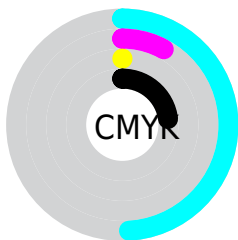
Distribution



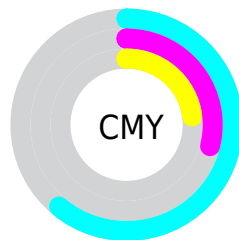
- Red (39%)
- Green (71%)
- Blue (76%)



- Red (39%)
- Yellow (56%)
- Blue (76%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (23%)



- Cyan (61%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 25.511, 216.644 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, 25.511, 216.644 by changing the saturation by 10% instead.

 69, 25.511,
216.644

 69, 25.511,
216.644

 100, 25.511,
216.644


 59, 25.511,
216.644


 89, 25.511,
216.644

 49, 25.511,
216.644


 99, 25.511,
216.644

 39, 25.511,
216.644

 29, 25.511,
216.644

 19, 25.511,
216.644

 9, 25.511, 216.644

 0, 25.511, 216.644

69, 25.511,
216.644

69, 25.511,
216.644

67, 29.028,
217.702

71, 21.288,
215.877

66, 31.777,
219.120

73, 16.448,
215.352

65, 33.734,
220.964

75, 11.087,
215.025

63, 34.934,
223.298

77, 5.302, 214.885

62, 35.530,
226.120

79, 0.818, 34.045

62, 35.598,
226.500

82, 7.194, 34.646

84, 13.759, 34.766

86, 20.000, 35.215

87, 19.368, 40.478

Harmonies

Complementary

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



69, 25.511, 216.644



57, 37.001, 36.190

Rectangle

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



69, 25.511, 216.644



69, 25.511, 266.644



69, 25.511, 36.644



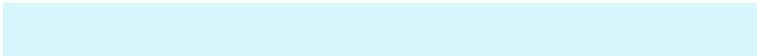
69, 25.511, 86.644

Sweetspot

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



69, 25.511, 216.642



95, 11.084, 214.953



72, 55.510, 144.666



51, 7.576, 214.995



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 25.511, 216.642



85, 35.318, 217.728



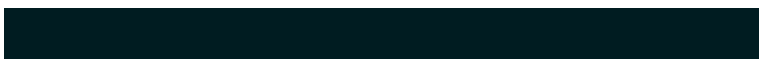
56, 36.201, 278.606



40, 3.435, 214.887



52, 30.829, 226.012



8, 10.622, 219.549

Inverse Universe

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



56, 55.005, 332.134



67, 78.578, 332.799



68, 36.801, 83.320



38, 6.479, 329.633



37, 72.405, 335.609



4, 20.861, 332.478

Previews

White Background



This preview shows how the CIELCh color 69, 25.511, 216.644 looks on a white background.

Color Contrast Check

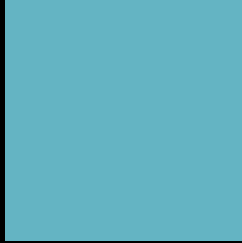
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 25.511, 216.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

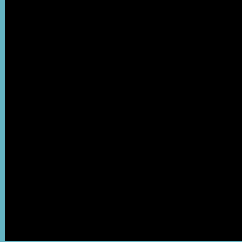
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 25.511, 216.644

Background



This preview shows how black text looks on a background with the CIELCh color 69, 25.511, 216.644.



This preview shows how white text looks on a background with the CIELCh color 69, 25.511, 216.644.

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, 25.511, 216.644

Protanopia

69, 11.006, 289.423

Deuteranopia

69, 19.384, 297.261



Tritanopia
69, 25.511, 216.644

Trichromacy



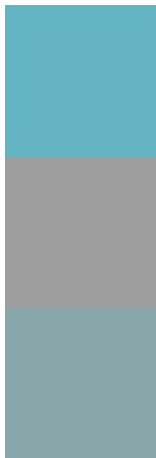
Original Color
69, 25.511, 216.644

Protanomaly
68, 14.026, 243.976

Deuteranomaly
69, 17.427, 261.593

Tritanomaly
69, 25.511, 216.644

Monochromacy



Original Color
69, 25.511, 216.644

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 10.639, 213.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 25.511, 216.644 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(100, 180, 195)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 195)  
}
```

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(100, 180, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 25.511, 216.644 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(100, 180, 195) }
```

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

```
.border{ border-color:rgb(100, 180, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 180, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 195);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 25.511, 216.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 180, 195) }
```

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

```
.background{ background-color: rgb(100,  
180, 195) }
```

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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