

Converting Colors

CIELCh(69, 25.815, 220.401)

Have a look what the booklet for
CIELCh(69, 25.815, 220.401)
contains.

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Color

CIELCh(69, 25.801, 220.420)

Conversions

Conversions Part 1

Format	Color
Hex	64B4C6
RGB	100, 180, 198
RGB Percent	39%, 71%, 78%
CMY	0.6085, 0.2948, 0.2242
CMYK	0.50, 0.09, 0.00, 0.22
HSL	191°, 46%, 58%
HSV	191°, 50%, 78%
XYZ	31.6977, 39.3444, 59.2482
YIQ	158.1320, -53.4580, -11.3620

Conversions

Conversions Part 2

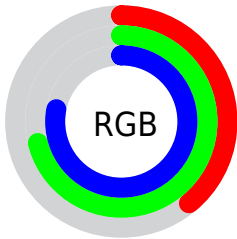
Format	Color
RYB	100, 144, 198
Decimal	6599878
CIELab	69.00, -19.64, -16.73
CIELCh	69, 25.801, 220.420
Yxy	39.3444, 0.2433, 0.3020
Android (android.graphics.Color)	4284789958 (0xFF64B4C6)
YUV	158.1320, 19.6549, -50.9818
Hunter-Lab	62.7251, -19.5652, -12.0959

Details

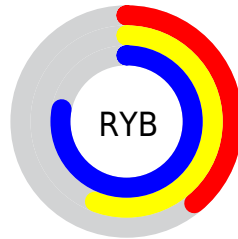
The CIELCh color **69, 25.801, 220.420** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **58, 37.579, 38.410**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 25.759, 220.773**, and **49, 25.810, 220.211** is the 20% darker color. If you saturate the color by 10%, you get **67, 29.295, 221.771**, and if you desaturate by 10%, it is **71, 21.615, 219.409**.

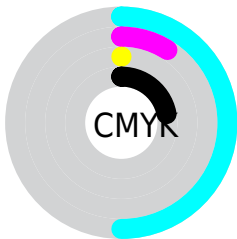
Distribution



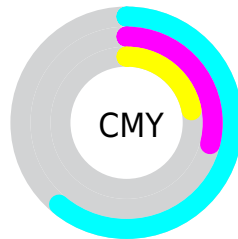
- Red (39%)
- Green (71%)
- Blue (78%)



- Red (39%)
- Yellow (56%)
- Blue (78%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)





- Cyan (61%)
- Magenta (29%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 25.801, 220.420 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, 25.801, 220.420 by changing the saturation by 10% instead.


 69, 25.801,
220.420


 69, 25.801,
220.420


 100, 25.801,
220.420


 59, 25.801,
220.420


 89, 25.801,
220.420

 49, 25.801,
220.420

 99, 25.801,
220.420

 39, 25.801,
220.420

 29, 25.801,
220.420

 19, 25.801,
220.420

 9, 25.801, 220.420

 0, 25.801, 220.420

69, 25.801,
220.420

69, 25.801,
220.420

67, 29.295,
221.771

71, 21.615,
219.409

66, 32.041,
223.544

73, 16.820,
218.681

64, 34.025,
225.814

75, 11.510,
218.180

63, 35.295,
228.653

78, 5.780, 217.885

61, 36.041,
232.018

80, 0.285, 35.680

82, 6.606, 37.404

61, 36.075,
232.176

85, 13.118, 37.425

87, 18.605, 38.497

88, 18.021, 45.325

Harmonies

Complementary

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



69, 25.801, 220.420



58, 37.579, 38.410

Rectangle

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



69, 25.801, 220.420



69, 25.801, 270.420



69, 25.801, 40.420



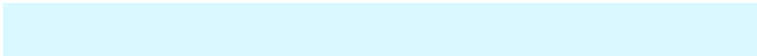
69, 25.801, 90.420

Sweetspot

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



69, 25.800, 220.418



96, 10.999, 218.026



72, 55.691, 145.597



50, 7.457, 218.098



0, 0.000, 0.000



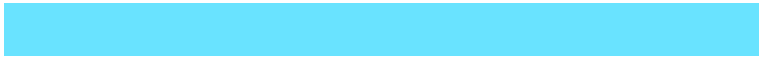
53, 0.007, 296.813

Same Dimension

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



69, 25.800, 220.418



85, 35.596, 221.826



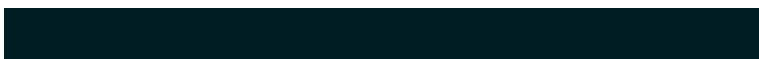
55, 39.018, 281.330



41, 3.453, 217.883



51, 31.253, 231.617



9, 11.222, 223.338

Inverse Universe

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



56, 55.524, 333.169



67, 78.925, 333.899



70, 38.767, 85.957



39, 6.500, 330.507



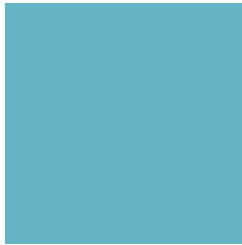
37, 71.833, 337.076



4, 22.776, 334.223

Previews

White Background



This preview shows how the CIE LCh color 69, 25.801, 220.420 looks on a white background.

Color Contrast Check

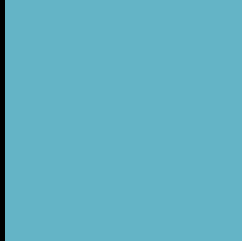
Large Text (above 18pt) WCAG AA × Fail

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, 25.801, 220.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

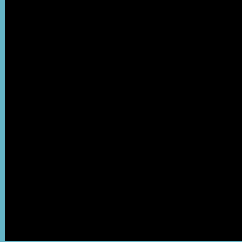
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 25.801, 220.420

Background



This preview shows how black text looks on a background with the CIELCh color 69, 25.801, 220.420.



This preview shows how white text looks on a background with the CIELCh color 69, 25.801, 220.420.

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, 25.801, 220.420

Protanopia

69, 12.663, 288.235

Deuteranopia

69, 20.422, 295.123



Tritanopia
69, 25.733, 216.459

Trichromacy



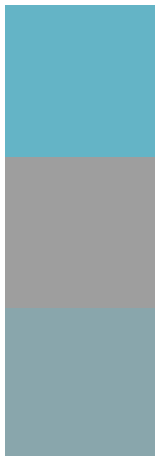
Original Color
69, 25.801, 220.420

Protanomaly
68, 15.132, 248.919

Deuteranomaly
69, 18.499, 262.661

Tritanomaly
69, 25.816, 217.717

Monochromacy



Original Color
69, 25.801, 220.420

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 10.752, 216.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 25.801, 220.420 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 25.801, 220.420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

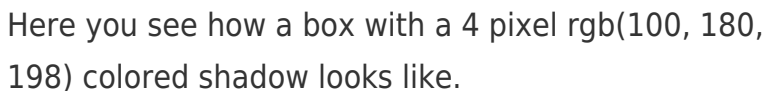
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 180, 198) }
```

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

```
.border{ border-color:rgb(100, 180, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 198);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 25.801, 220.420 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, 198) }
```

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

```
.background{ background-color: rgb(100,  
180, 198) }
```

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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