

Converting Colors

CIELCh(72, 28.013, 217.647)

Have a look what the booklet for
CIELCh(72, 28.013, 217.647)
contains.

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Color

CIELCh(72, 27.983, 218.265)

Conversions

Conversions Part 1

Format	Color
Hex	63BDCF
RGB	99, 189, 207
RGB Percent	39%, 74%, 81%
CMY	0.6109, 0.2580, 0.1874
CMYK	0.52, 0.09, 0.00, 0.19
HSL	190°, 53%, 60%
HSV	190°, 52%, 81%
XYZ	34.6953, 43.6590, 65.7577
YIQ	164.1420, -59.4180, -13.4820

Conversions

Conversions Part 2

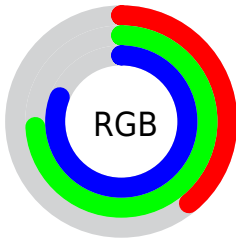
Format	Color
RYB	99, 148, 207
Decimal	6536655
CIELab	72.00, -21.97, -17.33
CIElCh	72, 27.983, 218.265
Yxy	43.6590, 0.2408, 0.3030
Android (android.graphics.Color)	4284726735 (0xFF63BDCF)
YUV	164.1420, 21.1290, -57.1295
Hunter-Lab	66.0750, -21.9026, -12.7528

Details

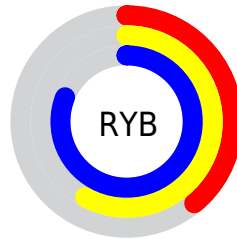
The CIELCh color **72, 27.983, 218.265** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **59, 41.933, 37.210**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 27.315, 208.795**, and **52, 27.936, 219.345** is the 20% darker color. If you saturate the color by 10%, you get **70, 31.389, 219.546**, and if you desaturate by 10%, it is **74, 23.815, 217.316**.

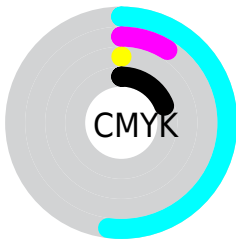
Distribution



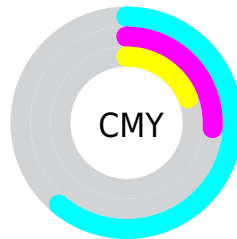
- Red (39%)
- Green (74%)
- Blue (81%)



- Red (39%)
- Yellow (58%)
- Blue (81%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)




- Cyan (61%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 27.983, 218.265 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 72, 27.983, 218.265 by changing the saturation by 10% instead.


 72, 27.983,
218.265

 72, 27.983,
218.265


 100, 27.983,
218.265


 62, 27.983,
218.265


 92, 27.983,
218.265

 52, 27.983,
218.265

 42, 27.983,
218.265

 32, 27.983,
218.265

 22, 27.983,
218.265

 12, 27.983,
218.265

 2, 27.983, 218.265

0, 27.983, 218.265

72, 27.983,
218.265

72, 27.983,
218.265

70, 31.389,
219.546

74, 23.815,
217.316

69, 33.982,
221.234

76, 18.971,
216.643

67, 35.758,
223.401

78, 13.548,
216.193

66, 36.786,
226.108

80, 7.649, 215.934

65, 37.237,
228.566

83, 1.371, 216.116

85, 5.202, 35.544

88, 11.995, 35.634

■ 90, 15.246, 39.324

■ 90, 14.759, 47.323

Harmonies

Complementary

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



72, 27.983, 218.265



59, 41.933, 37.210

Rectangle

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



72, 27.983, 218.265



72, 27.983, 268.265



72, 27.983, 38.265



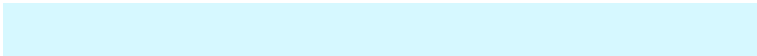
72, 27.983, 88.265

Sweetspot

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



72, 27.982, 218.263



95, 11.817, 216.016



75, 61.311, 144.732



50, 7.928, 216.071



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 27.982, 218.263



85, 37.270, 219.793



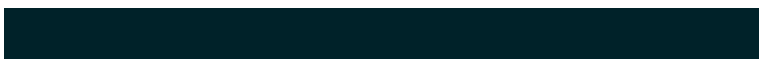
57, 41.767, 280.831



43, 3.635, 215.901



54, 31.896, 228.037



11, 12.265, 221.121

Inverse Universe

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



58, 60.957, 332.704



66, 83.917, 333.491



72, 41.900, 84.202



41, 6.855, 329.933



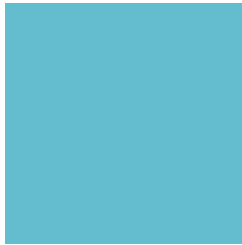
38, 74.400, 336.131



5, 27.358, 334.120

Previews

White Background



This preview shows how the CIELCh color 72, 27.983, 218.265 looks on a white background.

Color Contrast Check

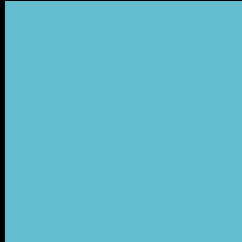
Large Text (above 18pt) WCAG AA × Fail

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 72, 27.983, 218.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

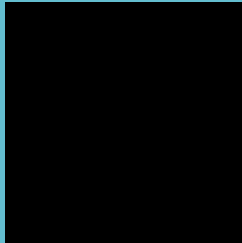
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 27.983, 218.265

Background



This preview shows how black text looks on a background with the CIELCh color 72, 27.983, 218.265.

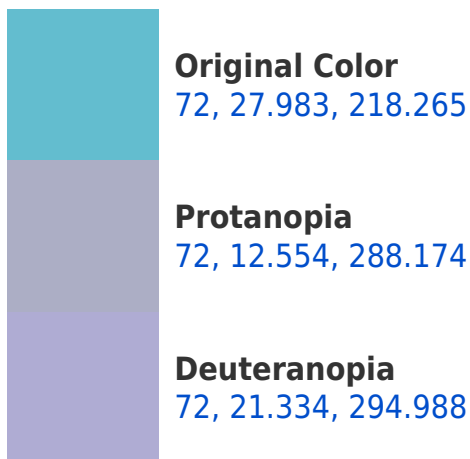


This preview shows how white text looks on a background with the CIELCh color 72, 27.983, 218.265.

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





Tritanopia
72, 28.197, 214.473

Trichromacy



Original Color
72, 27.983, 218.265



Protanomaly
72, 15.876, 245.203



Deuteranomaly
71, 19.863, 261.002



Tritanomaly
72, 28.255, 215.622

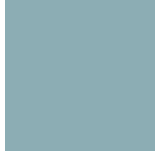
Monochromacy



Original Color
72, 27.983, 218.265



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 12.084, 217.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 27.983, 218.265 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, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 189, 207)  
}
```

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, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 189, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 27.983, 218.265 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, 189, 207) }
```

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

```
.border{ border-color:rgb(99, 189, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 189, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 189,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 27.983, 218.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 189, 207) }
```

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

```
.background{ background-color: rgb(99, 189,  
207) }
```

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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