

Converting Colors

CIELCh(72, 23.610, 223.727)

Have a look what the booklet for
CIELCh(72, 23.610, 223.727)
contains.

CIELCh(72, 23.577, 222.683)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 23.577, 222.683)

Conversions

Conversions Part 1

Format	Color
Hex	75BBCD
RGB	117, 187, 205
RGB Percent	46%, 73%, 80%
CMY	0.5417, 0.2672, 0.1966
CMYK	0.43, 0.09, 0.00, 0.20
HSL	192°, 47%, 63%
HSV	192°, 43%, 80%
XYZ	36.0642, 43.6590, 64.1994
YIQ	168.1220, -47.4980, -9.2420

Conversions

Conversions Part 2

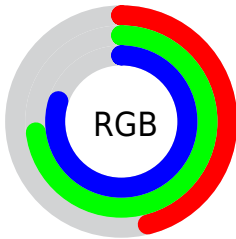
Format	Color
R _Y B	117, 156, 205
Decimal	7715789
CIE Lab	72.00, -17.33, -15.98
CIE LCh	72, 23.577, 222.683
Yxy	43.6590, 0.2506, 0.3034
Android (android.graphics.Color)	4285905869 (0xFF75BBCD)
YUV	168.1220, 18.1809, -44.8340
Hunter-Lab	66.0750, -18.2045, -11.3546

Details

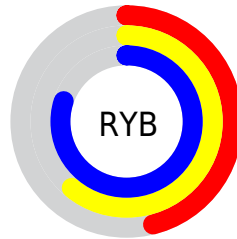
The CIELCh color **72, 23.577, 222.683** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63, 32.252, 39.950**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 22.730, 214.068**, and **52, 23.653, 222.413** is the 20% darker color. If you saturate the color by 10%, you get **70, 27.649, 223.995**, and if you desaturate by 10%, it is **74, 18.869, 221.699**.

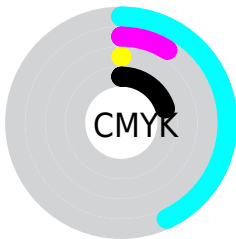
Distribution



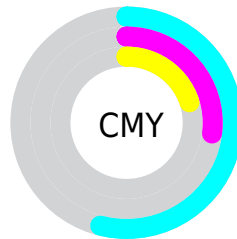
- Red (46%)
- Green (73%)
- Blue (80%)



- Red (46%)
- Yellow (61%)
- Blue (80%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)




- Cyan (54%)
- Magenta (27%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 23.577, 222.683 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, 23.577, 222.683 by changing the saturation by 10% instead.


 72, 23.577,
222.683


 72, 23.577,
222.683


 100, 23.577,
222.683


 62, 23.577,
222.683


 92, 23.577,
222.683

 52, 23.577,
222.683

 42, 23.577,
222.683

 32, 23.577,
222.683

 22, 23.577,
222.683

 12, 23.577,
222.683

 2, 23.577, 222.683

0, 23.577, 222.683

72, 23.577,
222.683

72, 23.577,
222.683

70, 27.649,
223.995

74, 18.869,
221.699

68, 31.013,
225.717

77, 13.617,
220.986

66, 33.628,
227.933

79, 7.914, 220.500

82, 1.850, 220.375

65, 35.508,
230.724

84, 4.496, 39.729

63, 36.737,
234.152

87, 11.053, 39.674

62, 37.372,
236.859

89, 15.842, 41.970

■ 90, 15.400, 51.393

■ 91, 15.399, 61.075

Harmonies

Complementary

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



72, 23.577, 222.683



63, 32.252, 39.950

Rectangle

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



72, 23.577, 222.683



72, 23.577, 272.683



72, 23.577, 42.683



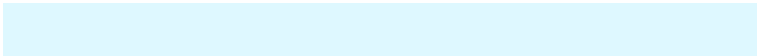
72, 23.577, 92.683

Sweetspot

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



72, 23.577, 222.680



96, 9.482, 220.508



76, 49.470, 146.906



51, 6.594, 220.598



0, 0.000, 0.000



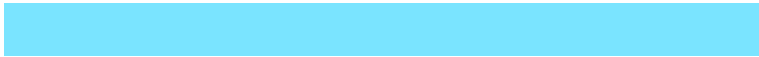
53, 0.007, 296.813

Same Dimension

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



72, 23.577, 222.680



85, 32.481, 223.951



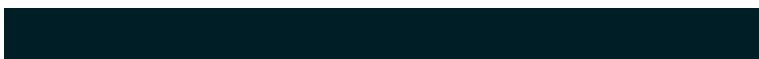
60, 35.344, 280.938



42, 3.486, 220.383



51, 31.872, 236.192



10, 11.739, 227.054

Inverse Universe

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



61, 49.404, 333.524



70, 70.088, 334.232



74, 34.938, 88.179



40, 6.540, 331.242



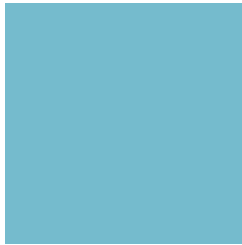
37, 71.531, 338.332



5, 24.566, 335.598

Previews

White Background



This preview shows how the CIELCh color 72, 23.577, 222.683 looks on a white background.

Color Contrast Check

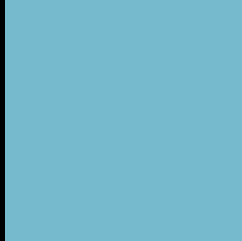
Large Text (above 18pt) WCAG AA × Fail

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, 23.577, 222.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

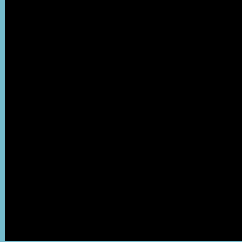
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 23.577, 222.683

Background



This preview shows how black text looks on a background with the CIELCh color 72, 23.577, 222.683.



This preview shows how white text looks on a background with the CIELCh color 72, 23.577, 222.683.

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
72, 23.577, 222.683

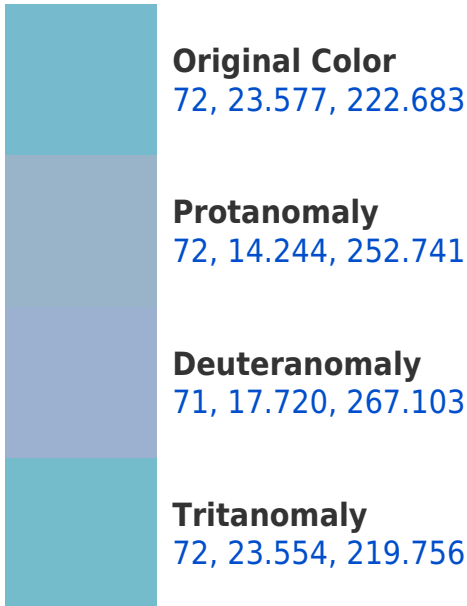
Protanopia
72, 12.545, 289.784

Deuteranopia
72, 19.759, 297.096

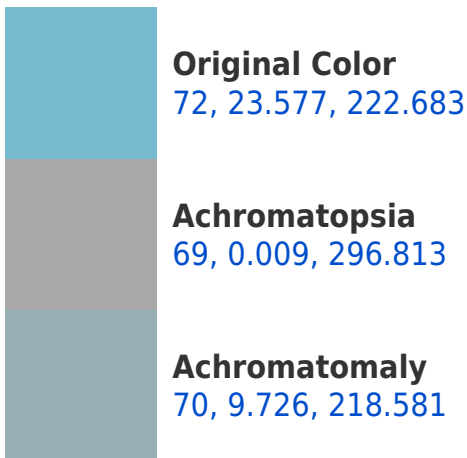


Tritanopia
72, 23.443, 218.409

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 23.577, 222.683 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(117, 187, 205)` looks like.

```
.text, #text, p{  
    color:rgb(117, 187, 205)  
}
```

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(117, 187, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 187, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 23.577, 222.683 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(117, 187, 205) }
```

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

```
.border{ border-color:rgb(117, 187, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 187, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 187, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 187, 205);  
box-shadow:4px 4px 4px 4px rgb(117, 187,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 23.577, 222.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 187, 205) }
```

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

```
.background{ background-color: rgb(117,  
187, 205) }
```

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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