

Converting Colors

CIELCh(72, 22.819, 202.112)

Have a look what the booklet for
CIELCh(72, 22.819, 202.112)
contains.

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Color

CIELCh(72, 22.816, 201.817)

Conversions

Conversions Part 1

Format	Color
Hex	76BCBF
RGB	118, 188, 191
RGB Percent	46%, 74%, 75%
CMY	0.5367, 0.2622, 0.2504
CMYK	0.38, 0.02, 0.00, 0.25
HSL	182°, 36%, 61%
HSV	182°, 38%, 75%
XYZ	34.9257, 43.6590, 55.9611
YIQ	167.4120, -42.6830, -13.9070

Conversions

Conversions Part 2

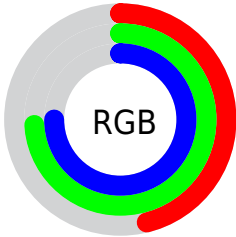
Format	Color
R_{YB}	118, 154, 191
Decimal	7781567
CIE _{Lab}	72.00, -21.18, -8.48
CIE _{LCh}	72, 22.816, 201.817
Yxy	43.6590, 0.2596, 0.3245
Android (android.graphics.Color)	4285971647 (0xFF76BCBF)
YUV	167.4120, 11.6289, -43.3343
Hunter-Lab	66.0750, -21.2802, -3.9622

Details

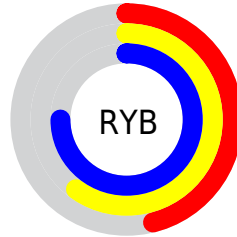
The CIELCh color **72, 22.816, 201.817** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58, 29.997, 25.902**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 22.792, 201.919**, and **52, 22.857, 201.621** is the 20% darker color. If you saturate the color by 10%, you get **71, 27.395, 201.698**, and if you desaturate by 10%, it is **73, 17.558, 202.029**.

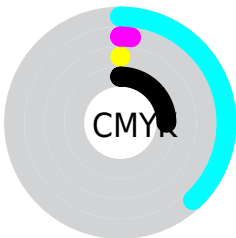
Distribution



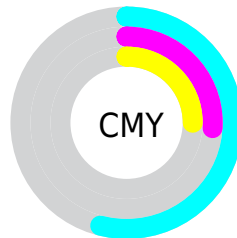
- Red (46%)
- Green (74%)
- Blue (75%)



- Red (46%)
- Yellow (60%)
- Blue (75%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)





- Cyan (54%)
- Magenta (26%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 22.816, 201.817 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, 22.816, 201.817 by changing the saturation by 10% instead.


 72, 22.816,
201.817


 72, 22.816,
201.817


 100, 22.816,
201.817


 62, 22.816,
201.817


 92, 22.816,
201.817

 52, 22.816,
201.817

 42, 22.816,
201.817

 32, 22.816,
201.817

 22, 22.816,
201.817

 12, 22.816,
201.817

 2, 22.816, 201.817

■ 0, 22.816, 201.817

■ 72, 22.816,
201.817

■ 72, 22.816,
201.817

■ 71, 27.395,
201.698

■ 73, 17.558,
202.029

■ 70, 31.202,
201.693

■ 75, 11.726,
202.332

■ 69, 34.171,
201.814

■ 76, 5.430, 202.740

■ 69, 36.274,
202.072

■ 78, 1.228, 22.612

■ 68, 37.537,
202.477

■ 79, 8.156, 23.433

■ 68, 38.087,
203.022

■ 81, 15.273, 23.945

■ 83, 22.514, 24.459

■ 68, 38.160,
203.125

■ 84, 23.455, 25.379

■ 84, 23.199, 26.397

Harmonies

Complementary

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



72, 22.816, 201.817



58, 29.997, 25.902

Rectangle

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



72, 22.816, 201.817



72, 22.816, 251.817



72, 22.816, 21.817



72, 22.816, 71.817

Sweetspot

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



72, 22.816, 201.814



95, 8.922, 202.602



71, 46.976, 142.481



51, 6.021, 202.544



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 22.816, 201.814



90, 32.492, 201.708



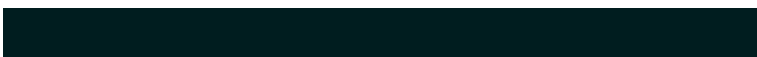
62, 23.985, 265.424



39, 3.707, 202.684



57, 33.182, 203.024



9, 11.031, 202.048

Inverse Universe

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



60, 46.662, 327.651



72, 68.432, 328.088



67, 26.115, 74.050



37, 6.874, 326.052



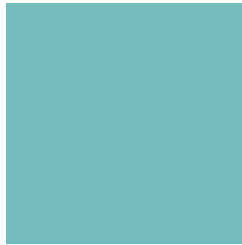
37, 78.319, 329.913



3, 20.644, 326.904

Previews

White Background



This preview shows how the CIELCh color 72, 22.816, 201.817 looks on a white background.

Color Contrast Check

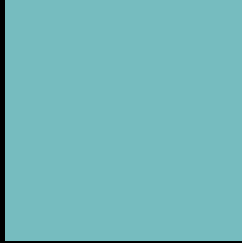
Large Text (above 18pt) WCAG AA × Fail

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, 22.816, 201.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

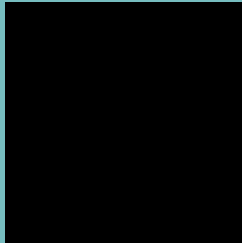
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

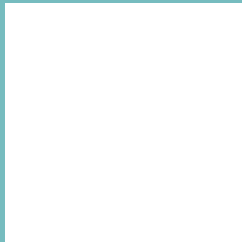
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 22.816, 201.817

Background



This preview shows how black text looks on a background with the CIELCh color 72, 22.816, 201.817.

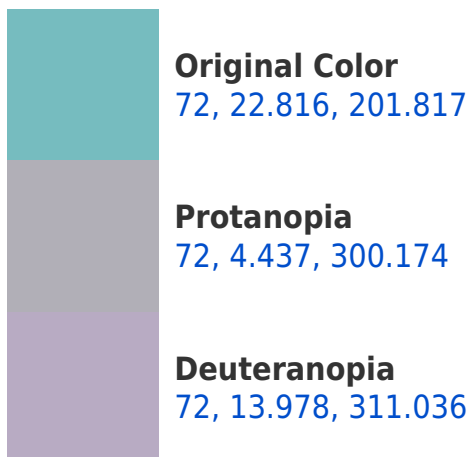


This preview shows how white text looks on a background with the CIELCh color 72, 22.816, 201.817.

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, 22.218, 219.677

Trichromacy



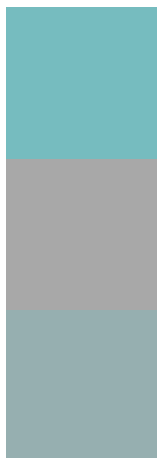
Original Color
72, 22.816, 201.817

Protanomaly
72, 9.053, 220.065

Deuteranomaly
71, 10.879, 257.880

Tritanomaly
72, 22.100, 213.709

Monochromacy



Original Color
72, 22.816, 201.817

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 9.021, 202.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 22.816, 201.817 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(118, 188, 191)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 191)  
}
```

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(118, 188, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 22.816, 201.817 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(118, 188, 191) }
```

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

```
.border{ border-color:rgb(118, 188, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 191);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 22.816, 201.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 191) }
```

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

```
.background{ background-color: rgb(118,  
188, 191) }
```

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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