

Converting Colors

CIELCh(72, 32.712, 196.960)

Have a look what the booklet for
CIELCh(72, 32.712, 196.960)
contains.

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Color

CIELCh(72, 32.810, 196.946)

Conversions

Conversions Part 1

Format	Color
Hex	51C1C1
RGB	81, 193, 193
RGB Percent	32%, 76%, 76%
CMY	0.6830, 0.2437, 0.2437
CMYK	0.58, 0.00, 0.00, 0.24
HSL	180°, 47%, 54%
HSV	180°, 58%, 76%
XYZ	32.0247, 43.6590, 57.1045
YIQ	159.5120, -66.7520, -23.7440

Conversions

Conversions Part 2

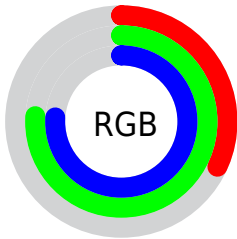
Format	Color
R _Y B	81, 137, 193
Decimal	5358017
CIE Lab	72.00, -31.39, -9.56
CIE LCh	72, 32.810, 196.946
Yxy	43.6590, 0.2412, 0.3288
Android (android.graphics.Color)	4283548097 (0xFF51C1C1)
YUV	159.5120, 16.5096, -68.8550
Hunter-Lab	66.0750, -29.1172, -4.9882

Details

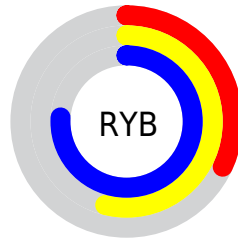
The CIELCh color **72, 32.810, 196.946** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **49, 50.443, 26.915**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 32.932, 196.449**, and **52, 31.758, 197.470** is the 20% darker color. If you saturate the color by 10%, you get **72, 35.996, 196.715**, and if you desaturate by 10%, it is **73, 28.765, 197.240**.

Distribution



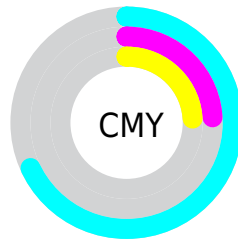
- Red (32%)
- Green (76%)
- Blue (76%)



- Red (32%)
- Yellow (54%)
- Blue (76%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)





- Cyan (68%)
- Magenta (24%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 32.810, 196.946 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, 32.810, 196.946 by changing the saturation by 10% instead.


 72, 32.810,
196.946


 72, 32.810,
196.946


 100, 32.810,
196.946


 62, 32.810,
196.946


 92, 32.810,
196.946

 52, 32.810,
196.946

 42, 32.810,
196.946

 32, 32.810,
196.946

 22, 32.810,
196.946

 12, 32.810,
196.946

 2, 32.810, 196.946

■ 0, 32.810, 196.946

■ 72, 32.810,
196.946

■ 72, 32.810,
196.946

■ 72, 35.996,
196.715

■ 73, 28.765,
197.240

■ 71, 38.304,
196.550

■ 73, 23.926,
197.599

■ 71, 39.764,
196.447

■ 74, 18.384,
198.020

■ 71, 40.504,
196.394

■ 76, 12.246,
198.500

■ 71, 40.617,
196.387

■ 77, 5.627, 199.061

■ 78, 1.365, 19.120

■ 80, 8.630, 20.027

■ 82, 16.082, 20.654

■ 83, 23.650, 21.277

Harmonies

Complementary

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



72, 32.810, 196.946



49, 50.443, 26.915

Rectangle

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



72, 32.810, 196.946



72, 32.810, 246.946



72, 32.810, 16.946



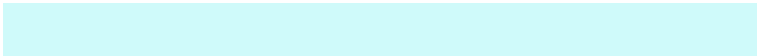
72, 32.810, 66.946

Sweetspot

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



72, 32.810, 196.944



95, 14.243, 198.542



70, 71.140, 139.483



51, 9.466, 198.439



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, 32.810, 196.944



90, 44.697, 196.658



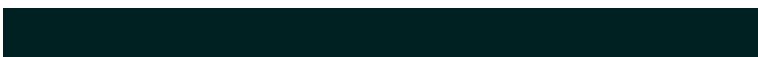
56, 34.787, 267.247



40, 3.949, 198.981



60, 35.475, 196.387



11, 12.444, 196.393

Inverse Universe

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



53, 70.478, 327.358



64, 99.342, 327.791



61, 41.152, 68.150



38, 7.226, 324.930



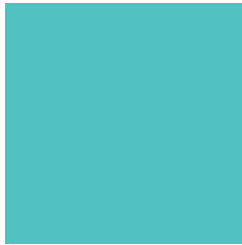
38, 81.806, 328.233



4, 24.213, 326.359

Previews

White Background



This preview shows how the CIELCh color 72, 32.810, 196.946 looks on a white background.

Color Contrast Check

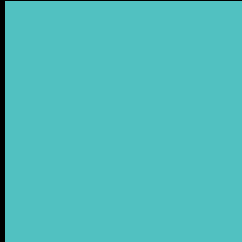
Large Text (above 18pt) WCAG AA × Fail

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, 32.810, 196.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

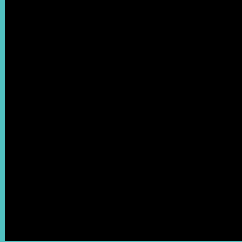
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

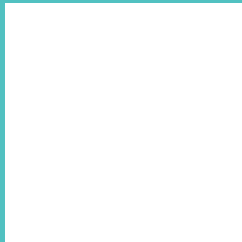
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 32.810, 196.946

Background



This preview shows how black text looks on a background with the CIELCh color 72, 32.810, 196.946.

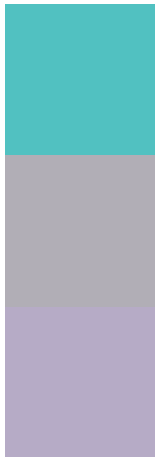


This preview shows how white text looks on a background with the CIELCh color 72, 32.810, 196.946.

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, 32.810, 196.946

Protanopia

72, 4.522, 304.794

Deuteranopia

72, 15.319, 306.460



Tritanopia
72, 30.764, 212.839

Trichromacy



Original Color

72, 32.810, 196.946



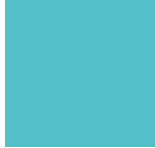
Protanomaly

71, 13.722, 209.928



Deuteranomaly

71, 14.561, 238.523



Tritanomaly

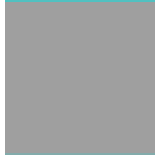
72, 31.356, 206.225

Monochromacy



Original Color

72, 32.810, 196.946



Achromatopsia

65, 0.008, 296.813



Achromatomaly

67, 14.128, 198.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 32.810, 196.946 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(81, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(81, 193, 193)  
}
```

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(81, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 193, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 32.810, 196.946 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(81, 193, 193) }
```

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

```
.border{ border-color:rgb(81, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(81, 193,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 32.810, 196.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 193, 193) }
```

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

```
.background{ background-color: rgb(81, 193,  
193) }
```

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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