

Converting Colors

CIELCh(72, 38.481, 196.570)

Have a look what the booklet for
CIELCh(72, 38.481, 196.570)
contains.

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Color

CIELCh(72, 38.408, 196.565)

Conversions

Conversions Part 1

Format	Color
Hex	2DC3C3
RGB	45, 195, 195
RGB Percent	18%, 76%, 76%
CMY	0.8218, 0.2343, 0.2343
CMYK	0.77, 0.00, 0.00, 0.23
HSL	180°, 62%, 47%
HSV	180°, 77%, 77%
XYZ	30.5490, 43.6590, 58.5905
YIQ	150.1500, -89.4000, -31.8000

Conversions

Conversions Part 2

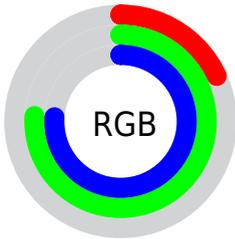
Format	Color
RYB	45, 120, 195
Decimal	2999235
CIELab	72.00, -36.81, -10.95
CIElCh	72, 38.408, 196.565
Yxy	43.6590, 0.2300, 0.3288
Android (android.graphics.Color)	4281189315 (0xFF2DC3C3)
YUV	150.1500, 22.1111, -92.2165
Hunter-Lab	66.0750, -33.1039, -6.3216

Details

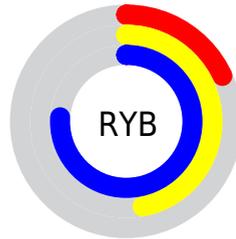
The CIELCh color **72, 38.408, 196.565** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **44, 68.955, 32.642**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 38.350, 196.263**, and **53, 32.245, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.988, 196.452**, and if you desaturate by 10%, it is **72, 35.962, 196.737**.

Distribution



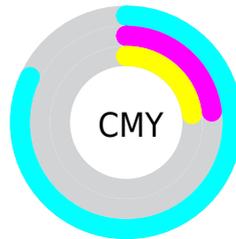
- Red (18%)
- Green (76%)
- Blue (76%)



- Red (18%)
- Yellow (47%)
- Blue (76%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (82%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 38.408, 196.565 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, 38.408, 196.565 by changing the saturation by 10% instead.

 72, 38.408,
196.565

 72, 38.408,
196.565

 100, 38.408,
196.565

 62, 38.408,
196.565

 92, 38.408,
196.565

 52, 38.408,
196.565

 42, 38.408,
196.565

 32, 38.408,
196.565

 22, 38.408,
196.565

 12, 38.408,
196.565

 2, 38.408, 196.565

■ 0, 38.408, 196.565

■ 72, 38.408,
196.565

■ 72, 38.408,
196.565

■ 72, 39.988,
196.452

■ 72, 35.962,
196.737

■ 72, 40.803,
196.395

■ 73, 32.628,
196.976

■ 72, 40.994,
196.382

■ 74, 28.433,
197.280

■ 74, 23.445,
197.648

■ 75, 17.760,
198.077

■ 77, 11.489,
198.566

■ 78, 4.746, 199.149

■ 79, 2.359, 19.357

■ 81, 9.728, 20.112

Harmonies

Complementary

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



72, 38.408, 196.565



44, 68.955, 32.642

Rectangle

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



72, 38.408, 196.565



72, 38.408, 246.565



72, 38.408, 16.565



72, 38.408, 66.565

Sweetspot

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



72, 38.408, 196.564



96, 19.208, 198.235



69, 88.130, 137.262



51, 13.123, 198.063



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, 38.408, 196.564



91, 49.644, 196.409



50, 44.499, 272.209



40, 3.949, 198.978



60, 35.476, 196.382



11, 12.444, 196.389

Inverse Universe

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



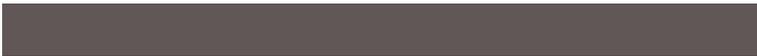
44, 68.955, 32.642



54, 100.219, 38.288



57, 56.233, 63.994



38, 4.188, 19.918



33, 73.726, 39.722



3, 13.999, 19.403

Previews

White Background



This preview shows how the CIELCh color 72, 38.408, 196.565 looks on a white background.

Color Contrast Check

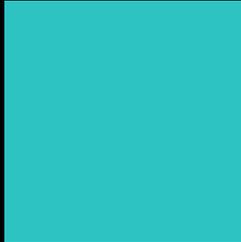
Large Text (above 18pt) WCAG AA × Fail

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, 38.408, 196.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

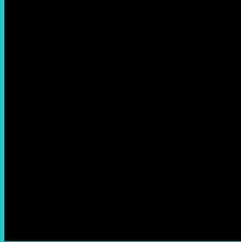
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

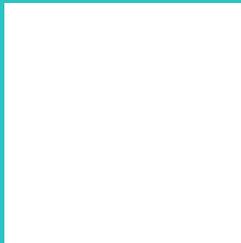
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 38.408, 196.565

Background



This preview shows how black text looks on a background with the CIELCh color 72, 38.408, 196.565.

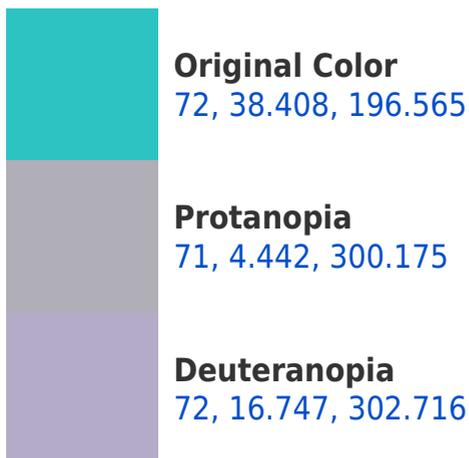


This preview shows how white text looks on a background with the CIELCh color 72, 38.408, 196.565.

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, 35.675, 211.246

Trichromacy



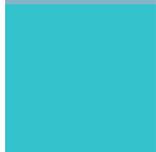
Original Color
72, 38.408, 196.565



Protanomaly
71, 17.991, 206.843



Deuteranomaly
71, 18.761, 232.216



Tritanomaly
72, 36.495, 205.477

Monochromacy



Original Color
72, 38.408, 196.565



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 18.548, 197.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 38.408, 196.565 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(45, 195, 195)` looks like.

```
.text, #text, p{  
    color:rgb(45, 195, 195)  
}
```

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(45, 195, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 195, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 38.408, 196.565 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(45, 195, 195) }
```

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

```
.border{ border-color:rgb(45, 195, 195) }
```

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

Here you see how a box with a 4 pixel rgb(45, 195, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 195, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 195, 195);  
box-shadow:4px 4px 4px 4px rgb(45, 195,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 38.408, 196.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 195, 195) }
```

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

```
.background{ background-color: rgb(45, 195,  
195) }
```

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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