

Converting Colors

CIELCh(66, 38.333, 196.421)

Have a look what the booklet for
CIELCh(66, 38.333, 196.421)
contains.

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Color

CIELCh(66, 38.392, 196.389)

Conversions

Conversions Part 1

Format	Color
Hex	00B3B3
RGB	0, 179, 179
RGB Percent	0%, 70%, 70%
CMY	1.0000, 0.2995, 0.2995
CMYK	1.00, 0.00, 0.00, 0.30
HSL	180°, 100%, 35%
HSV	180°, 100%, 70%
XYZ	24.1339, 35.3238, 47.9972
YIQ	125.4790, -106.6840, -37.9480

Conversions

Conversions Part 2

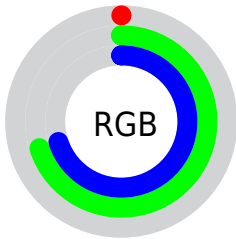
Format	Color
RYB	0, 90, 179
Decimal	46003
CIELab	66.00, -36.83, -10.83
CIELCh	66, 38.392, 196.389
Yxy	35.3238, 0.2246, 0.3287
Android (android.graphics.Color)	4278236083 (0xFF00B3B3)
YUV	125.4790, 26.3859, -110.0451
Hunter-Lab	59.4338, -31.5269, -6.2773

Details

The CIELCh color **66, 38.392, 196.389** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **37, 80.028, 39.973**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 38.266, 196.931**, and **47, 29.398, 197.580** is the 20% darker color. If you saturate the color by 10%, you get **66, 38.366, 196.390**, and if you desaturate by 10%, it is **66, 37.696, 196.440**.

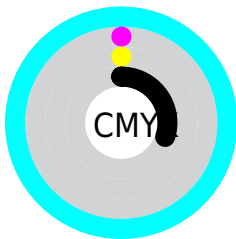
Distribution



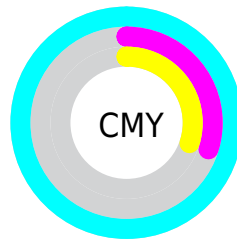
- Red (0%)
- Green (70%)
- Blue (70%)



- Red (0%)
- Yellow (35%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 38.392, 196.389 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 66, 38.392, 196.389 by changing the saturation by 10% instead.

 66, 38.392,
196.389


 66, 38.392,
196.389


 100, 38.392,
196.389


 56, 38.392,
196.389


 86, 38.392,
196.389

 46, 38.392,
196.389

 96, 38.392,
196.389

 36, 38.392,
196.389

 26, 38.392,
196.389

 16, 38.392,
196.389

 6, 38.392, 196.389

 0, 38.392, 196.389

■ 66, 38.392,
196.389

■ 66, 38.392,
196.389

■ 66, 38.366,
196.390

■ 66, 37.696,
196.440

■ 66, 36.435,
196.534

■ 67, 34.391,
196.688

■ 67, 31.527,
196.906

■ 68, 27.855,
197.189

■ 68, 23.427,
197.536

■ 69, 18.327,
197.944

■ 70, 12.653,

198.410

■ 71, 6.509, 198.948

Harmonies

Complementary

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



66, 38.392, 196.389



37, 80.028, 39.973

Rectangle

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



66, 38.392, 196.389



66, 38.392, 246.389



66, 38.392, 16.389



66, 38.392, 66.389

Sweetspot

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



66, 38.366, 196.390



88, 22.626, 197.921



63, 91.700, 136.016



46, 15.302, 197.745



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 38.366, 196.390



84, 46.663, 196.390



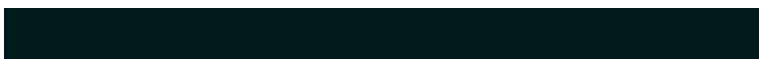
39, 55.157, 283.951



37, 3.690, 198.989



57, 34.225, 196.390



7, 9.137, 199.105

Inverse Universe

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



42, 88.474, 328.233



55, 107.608, 328.233



48, 65.227, 60.692



35, 6.750, 324.925



36, 78.926, 328.233



3, 16.261, 324.440

Previews

White Background



This preview shows how the CIELCh color 66, 38.392, 196.389 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 CIE LCh color 66, 38.392, 196.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

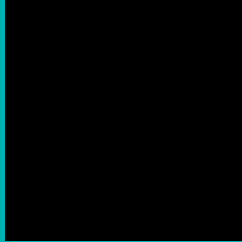
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

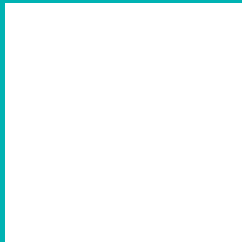
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 38.392, 196.389

Background



This preview shows how black text looks on a background with the CIELCh color 66, 38.392, 196.389.

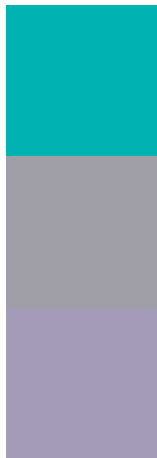


This preview shows how white text looks on a background with the CIELCh color 66, 38.392, 196.389.

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

66, 38.426, 196.386

Protanopia

65, 4.520, 300.201

Deuteranopia

66, 16.431, 301.900



Tritanopia
66, 35.280, 209.637

Trichromacy



Original Color
66, 38.426, 196.386



Protanomaly
64, 21.179, 205.302



Deuteranomaly
64, 21.261, 226.405



Tritanomaly
66, 36.475, 204.571

Monochromacy



Original Color
66, 38.426, 196.386



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 21.720, 197.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 38.392, 196.389 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(0, 179, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 179)  
}
```

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(0, 179, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 38.392, 196.389 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(0, 179, 179) }
```

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

```
.border{ border-color:rgb(0, 179, 179) }
```

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

Here you see how a box with a 4 pixel rgb(0, 179, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 38.392, 196.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 179) }
```

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

```
.background{ background-color: rgb(0, 179,  
179) }
```

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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