

Converting Colors

CIELCh(66, 36.683, 212.724)

Have a look what the booklet for
CIELCh(66, 36.683, 212.724)
contains.

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Color

CIELCh(66, 36.688, 212.726)

Conversions

Conversions Part 1

Format	Color
Hex	00B1C3
RGB	0, 177, 195
RGB Percent	0%, 69%, 76%
CMY	1.0000, 0.3064, 0.2358
CMYK	1.00, 0.09, 0.00, 0.24
HSL	186°, 100%, 38%
HSV	186°, 100%, 76%
XYZ	25.5245, 35.3238, 57.0263
YIQ	126.1290, -111.2700, -31.9260

Conversions

Conversions Part 2

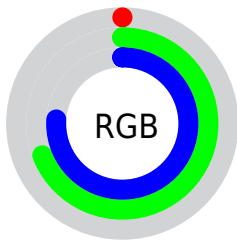
Format	Color
RYB	0, 93, 195
Decimal	45507
CIELab	66.00, -30.86, -19.83
CIELCh	66, 36.688, 212.726
Yxy	35.3238, 0.2165, 0.2997
Android (android.graphics.Color)	4278235587 (0xFF00B1C3)
YUV	126.1290, 33.9534, -110.6151
Hunter-Lab	59.4338, -27.3506, -15.2846

Details

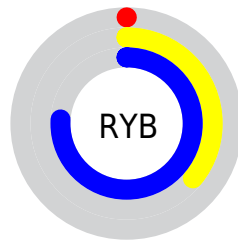
The CIELCh color **66, 36.688, 212.726** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **41, 84.050, 41.009**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 36.679, 213.175**, and **47, 28.378, 217.869** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.668, 212.735**, and if you desaturate by 10%, it is **67, 36.289, 211.234**.

Distribution



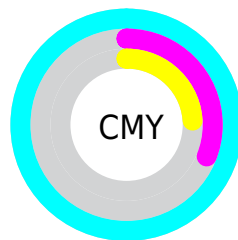
- Red (0%)
- Green (69%)
- Blue (76%)



- Red (0%)
- Yellow (36%)
- Blue (76%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (31%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.688, 212.726 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, 36.688, 212.726 by changing the saturation by 10% instead.


 66, 36.688,
212.726


 66, 36.688,
212.726


 100, 36.688,
212.726


 56, 36.688,
212.726


 86, 36.688,
212.726

 46, 36.688,
212.726

 96, 36.688,
212.726

 36, 36.688,
212.726

 26, 36.688,
212.726

 16, 36.688,
212.726

 6, 36.688, 212.726

 0, 36.688, 212.726

■ 66, 36.688,
212.726

■ 66, 36.688,
212.726

■ 66, 36.668,
212.735

■ 67, 36.289,
211.234

■ 67, 35.279,
209.999

■ 68, 33.446,
209.056

■ 69, 30.757,
208.372

■ 71, 27.233,
207.914

■ 72, 22.939,
207.646

■ 73, 17.965,
207.538

■ 75, 12.415,

207.565

■ 77, 6.393, 207.725

Harmonies

Complementary

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



66, 36.688, 212.726



41, 84.050, 41.009

Rectangle

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



66, 36.688, 212.726



66, 36.688, 262.726



66, 36.688, 32.726



66, 36.688, 82.726

Sweetspot

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



66, 36.668, 212.735



93, 22.127, 207.540



69, 96.251, 136.687



49, 14.951, 207.571



0, 0.000, 0.000



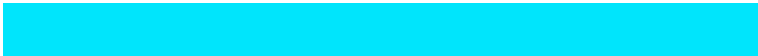
53, 0.007, 296.813

Same Dimension

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



66, 36.668, 212.735



84, 44.500, 213.021



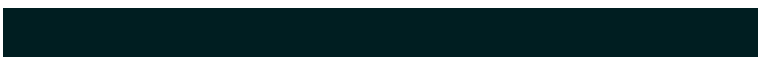
38, 69.530, 291.372



40, 3.614, 207.741



55, 31.813, 212.476



9, 11.244, 208.725

Inverse Universe

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



45, 87.774, 332.304



58, 106.525, 332.374



56, 67.858, 67.722



38, 6.783, 327.551



37, 76.146, 332.240



4, 22.216, 329.653

Previews

White Background



This preview shows how the CIELCh color 66, 36.688, 212.726 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 66, 36.688, 212.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

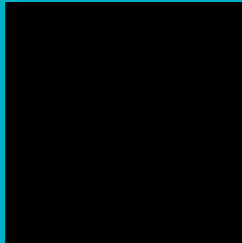
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 36.688, 212.726

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.688, 212.726.



This preview shows how white text looks on a background with the CIELCh color 66, 36.688, 212.726.

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
66, 36.736, 209.933

Trichromacy



Original Color
66, 36.688, 212.726



Protanomaly
64, 23.373, 229.871



Deuteranomaly
64, 26.591, 244.086



Tritanomaly
66, 36.711, 210.863

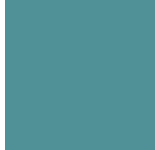
Monochromacy



Original Color
66, 36.688, 212.726



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 21.133, 208.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.688, 212.726 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, 177, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 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(0, 177, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.688, 212.726 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, 177, 195) }
```

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

```
.border{ border-color:rgb(0, 177, 195) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.688, 212.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 195) }
```

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

```
.background{ background-color: rgb(0, 177,  
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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