

Converting Colors

CIELCh(66, 36.903, 210.419)

Have a look what the booklet for
CIELCh(66, 36.903, 210.419)
contains.

CIELCh(66, 36.711, 210.863)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(66, 36.711, 210.863)

Conversions

Conversions Part 1

Format	Color
Hex	00B1C1
RGB	0, 177, 193
RGB Percent	0%, 69%, 76%
CMY	0.9986, 0.3056, 0.2429
CMYK	1.00, 0.08, 0.00, 0.24
HSL	185°, 100%, 38%
HSV	185°, 100%, 76%
XYZ	25.3709, 35.3238, 55.9695
YIQ	125.9010, -110.6280, -32.5480

Conversions

Conversions Part 2

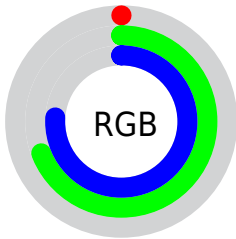
Format	Color
RYB	0, 92, 193
Decimal	45505
CIELab	66.00, -31.51, -18.83
CIELCh	66, 36.711, 210.863
Yxy	35.3238, 0.2175, 0.3028
Android (android.graphics.Color)	4278235585 (0xFF00B1C1)
YUV	125.9010, 33.0798, -110.4152
Hunter-Lab	59.4338, -27.8118, -14.2304

Details

The CIELCh color **66, 36.711, 210.863** 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, 83.516, 40.837**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 36.629, 210.584**, and **47, 28.308, 215.297** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.716, 210.887**, and if you desaturate by 10%, it is **67, 36.319, 209.550**.

Distribution



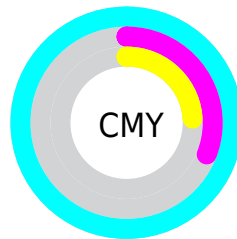
- Red (0%)
- Green (69%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.711, 210.863 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, 36.711, 210.863 by changing the saturation by 10% instead.


 66, 36.711,
210.863


 66, 36.711,
210.863


 100, 36.711,
210.863


 56, 36.711,
210.863


 86, 36.711,
210.863


 46, 36.711,
210.863


 96, 36.711,
210.863

 36, 36.711,
210.863

 26, 36.711,
210.863

 16, 36.711,
210.863

 6, 36.711, 210.863

 0, 36.711, 210.863

■ 66, 36.711,
210.863

■ 66, 36.711,
210.863

■ 66, 36.716,
210.887

■ 67, 36.319,
209.550

■ 67, 35.288,
208.478

■ 68, 33.433,
207.669

■ 69, 30.723,
207.096

■ 70, 27.181,
206.726

■ 72, 22.870,
206.532

■ 73, 17.881,
206.486

■ 75, 12.317,

206.566

■ 76, 6.283, 206.771

Harmonies

Complementary

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



66, 36.711, 210.863



41, 83.516, 40.837

Rectangle

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



66, 36.711, 210.863



66, 36.711, 260.863



66, 36.711, 30.863



66, 36.711, 80.863

Sweetspot

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



66, 36.710, 210.862



92, 22.127, 206.485



68, 95.894, 136.542



48, 14.831, 206.492



99, 0.012, 296.813



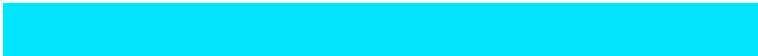
52, 0.007, 296.813

Same Dimension

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



66, 36.710, 210.862



83, 44.524, 211.140



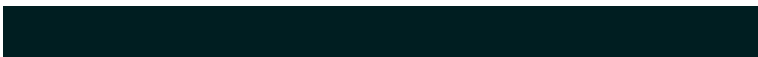
38, 66.769, 290.007



40, 3.644, 206.784



56, 32.075, 210.669



9, 11.352, 207.327

Inverse Universe

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



45, 87.786, 331.844



58, 106.504, 331.913



54, 67.568, 66.277



38, 6.827, 327.271



37, 76.700, 331.798



4, 22.414, 329.286

Previews

White Background



This preview shows how the CIELCh color 66, 36.711, 210.863 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, 36.711, 210.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

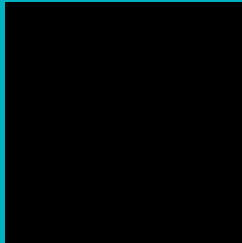
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

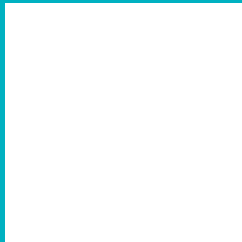
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 36.711, 210.863

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.711, 210.863.



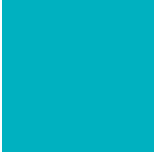
This preview shows how white text looks on a background with the CIELCh color 66, 36.711, 210.863.

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



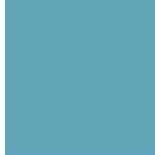


Tritanopia
66, 36.736, 209.933

Trichromacy



Original Color
66, 36.711, 210.863



Protanomaly
64, 22.984, 227.182



Deuteranomaly
64, 25.790, 242.346



Tritanomaly
66, 36.736, 209.933

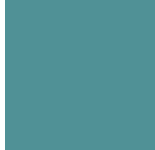
Monochromacy



Original Color
66, 36.711, 210.863



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 21.408, 205.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.711, 210.863 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 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(0, 177, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.711, 210.863 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, 193) }
```

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

```
.border{ border-color:rgb(0, 177, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.711, 210.863 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, 193) }
```

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

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