

Converting Colors

CIELCh(66, 36.680, 209.658)

Have a look what the booklet for
CIELCh(66, 36.680, 209.658)
contains.

CIELCh(66, 36.642, 209.974)	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, 36.642, 209.974)

Conversions

Conversions Part 1

Format	Color
Hex	04B1C0
RGB	4, 177, 192
RGB Percent	2%, 69%, 75%
CMY	0.9859, 0.3054, 0.2466
CMYK	0.98, 0.08, 0.00, 0.25
HSL	185°, 96%, 38%
HSV	185°, 98%, 75%
XYZ	25.3169, 35.3238, 55.4204
YIQ	126.9830, -107.9230, -32.0110

Conversions

Conversions Part 2

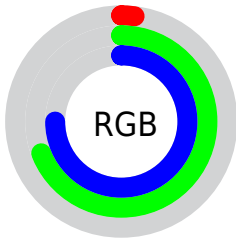
Format	Color
RYB	4, 94, 192
Decimal	307648
CIELab	66.00, -31.74, -18.31
CIElCh	66, 36.642, 209.974
Yxy	35.3238, 0.2181, 0.3044
Android (android.graphics.Color)	4278497728 (0xFF04B1C0)
YUV	126.9830, 32.0534, -107.8561
Hunter-Lab	59.4338, -27.9740, -13.6826

Details

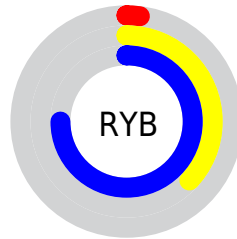
The CIELCh color **66, 36.642, 209.974** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **41, 82.234, 40.388**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 36.627, 209.719**, and **47, 28.308, 215.297** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.701, 210.212**, and if you desaturate by 10%, it is **67, 36.179, 208.754**.

Distribution



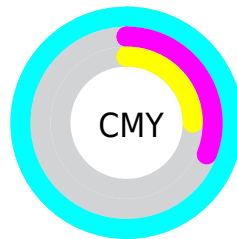
- Red (2%)
- Green (69%)
- Blue (75%)



- Red (2%)
- Yellow (37%)
- Blue (75%)



- Cyan (98%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)





- Cyan (99%)
- Magenta (31%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.642, 209.974 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, 36.642, 209.974 by changing the saturation by 10% instead.


 66, 36.642,
209.974


 66, 36.642,
209.974


 100, 36.642,
209.974


 56, 36.642,
209.974


 86, 36.642,
209.974

 46, 36.642,
209.974

 96, 36.642,
209.974

 36, 36.642,
209.974

 26, 36.642,
209.974

 16, 36.642,
209.974

 6, 36.642, 209.974

 0, 36.642, 209.974

■ 66, 36.642,
209.974

■ 66, 36.642,
209.974

■ 66, 36.701,
210.212

■ 67, 36.179,
208.754

■ 67, 35.010,
207.784

■ 68, 33.010,
207.062

■ 69, 30.157,
206.562

■ 70, 26.481,
206.255

■ 72, 22.051,
206.113

■ 73, 16.961,
206.110

■ 75, 11.315,

206.228

■ 76, 5.217, 206.476

Harmonies

Complementary

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



66, 36.642, 209.974



41, 82.234, 40.388

Rectangle

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



66, 36.642, 209.974



66, 36.642, 259.974



66, 36.642, 29.974



66, 36.642, 79.974

Sweetspot

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



66, 36.641, 209.973



92, 21.542, 206.103



68, 95.093, 136.631



48, 14.523, 206.096



99, 0.012, 296.813



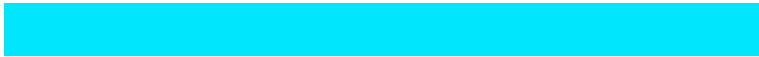
52, 0.007, 296.813

Same Dimension

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



66, 36.641, 209.973



84, 44.669, 210.458



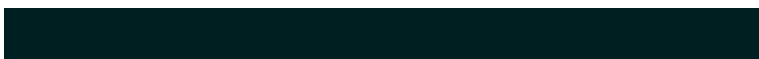
39, 65.285, 289.337



40, 3.655, 206.434



56, 32.179, 210.010



10, 11.393, 206.819

Inverse Universe

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



45, 87.464, 331.615



58, 106.799, 331.746



55, 66.641, 66.714



38, 6.843, 327.168



37, 76.906, 331.636



4, 22.488, 329.152

Previews

White Background



This preview shows how the CIE LCh color 66, 36.642, 209.974 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, 36.642, 209.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

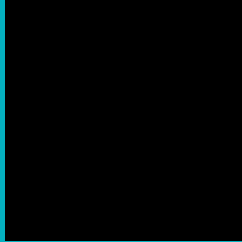
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 36.642, 209.974

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.642, 209.974.

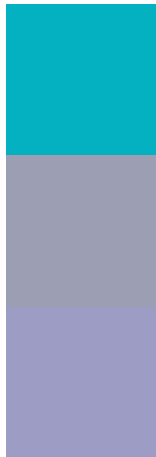


This preview shows how white text looks on a background with the CIELCh color 66, 36.642, 209.974.

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

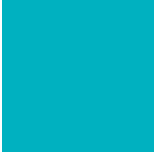
66, 36.610, 209.988

Protanopia

66, 12.224, 288.091

Deuteranopia

66, 22.782, 292.530

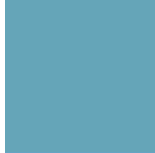


Tritanopia
66, 36.736, 209.933

Trichromacy



Original Color
66, 36.610, 209.988



Protanomaly
64, 22.358, 226.445



Deuteranomaly
64, 25.129, 242.029



Tritanomaly
66, 36.704, 209.947

Monochromacy



Original Color
66, 36.610, 209.988



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 20.884, 207.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.642, 209.974 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(4, 177, 192)` looks like.

```
.text, #text, p{  
    color:rgb(4, 177, 192)  
}
```

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(4, 177, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 177, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.642, 209.974 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(4, 177, 192) }
```

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

```
.border{ border-color:rgb(4, 177, 192) }
```

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

Here you see how a box with a 4 pixel rgb(4, 177, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 177, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 177, 192);  
box-shadow:4px 4px 4px 4px rgb(4, 177,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.642, 209.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 177, 192) }
```

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

```
.background{ background-color: rgb(4, 177,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor