

Converting Colors

CIELCh(65, 43.007, 212.031)

Have a look what the booklet for
CIELCh(65, 43.007, 212.031)
contains.

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Color

CIELCh(66, 36.699, 214.590)

Conversions

Conversions Part 1

Format	Color
Hex	00B1C5
RGB	0, 177, 197
RGB Percent	0%, 69%, 77%
CMY	1.0000, 0.3071, 0.2287
CMYK	1.00, 0.10, 0.00, 0.23
HSL	186°, 100%, 39%
HSV	186°, 100%, 77%
XYZ	25.6796, 35.3238, 58.0938
YIQ	126.3570, -111.9120, -31.3040

Conversions

Conversions Part 2

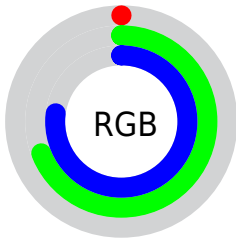
Format	Color
RYB	0, 93, 197
Decimal	45509
CIELab	66.00, -30.21, -20.83
CIELCh	66, 36.699, 214.590
Yxy	35.3238, 0.2156, 0.2966
Android (android.graphics.Color)	4278235589 (0xFF00B1C5)
YUV	126.3570, 34.8270, -110.8151
Hunter-Lab	59.4338, -26.8845, -16.3495

Details

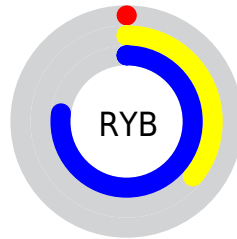
The CIELCh color **66, 36.699, 214.590** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **42, 84.455, 41.143**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 36.751, 214.897**, and **47, 28.500, 220.425** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.651, 214.616**, and if you desaturate by 10%, it is **67, 36.271, 212.924**.

Distribution



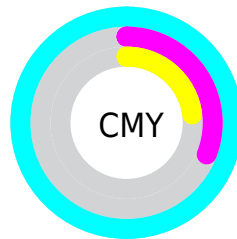
- Red (0%)
- Green (69%)
- Blue (77%)



- Red (0%)
- Yellow (36%)
- Blue (77%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (31%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.699, 214.590 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, 36.699, 214.590 by changing the saturation by 10% instead.


 66, 36.699,
214.590


 66, 36.699,
214.590


 100, 36.699,
214.590


 56, 36.699,
214.590


 86, 36.699,
214.590

 46, 36.699,
214.590

 96, 36.699,
214.590

 36, 36.699,
214.590

 26, 36.699,
214.590

 16, 36.699,
214.590

 6, 36.699, 214.590

 0, 36.699, 214.590

■ 66, 36.699,
214.590

■ 66, 36.699,
214.590

■ 66, 36.651,
214.616

■ 67, 36.271,
212.924

■ 68, 35.262,
211.527

■ 69, 33.431,
210.451

■ 70, 30.743,
209.660

■ 71, 27.221,
209.113

■ 72, 22.928,
208.773

■ 74, 17.956,
208.605

■ 76, 12.408,

208.581

■ 77, 6.390, 208.697

Harmonies

Complementary

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



66, 36.699, 214.590



42, 84.455, 41.143

Rectangle

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



66, 36.699, 214.590



66, 36.699, 264.590



66, 36.699, 34.590



66, 36.699, 84.590

Sweetspot

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



66, 36.651, 214.616



93, 22.130, 208.609



69, 96.503, 136.864



49, 14.833, 208.665



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, 36.651, 214.616



84, 44.512, 214.935



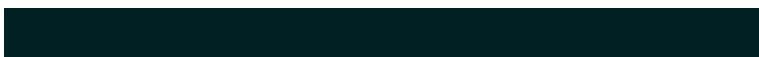
37, 72.204, 292.597



41, 3.663, 208.710



55, 31.945, 214.339



10, 11.778, 209.974

Inverse Universe

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



46, 87.732, 332.765



59, 106.541, 332.843



57, 68.121, 69.235



39, 6.885, 327.837



38, 76.473, 332.697



4, 24.493, 330.640

Previews

White Background



This preview shows how the CIELCh color 66, 36.699, 214.590 looks on a white background.

Color Contrast Check

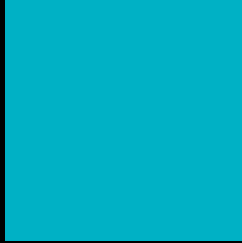
Large Text (above 18pt) WCAG AA × Fail

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, 36.699, 214.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

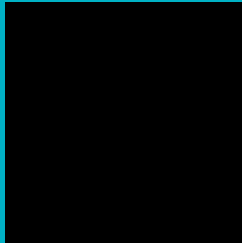
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

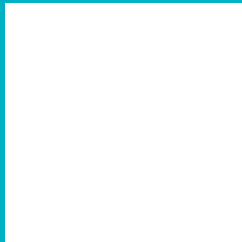
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 36.699, 214.590

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.699, 214.590.

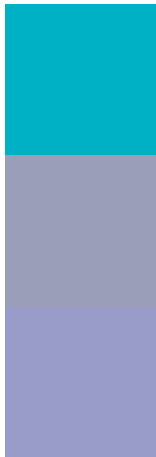


This preview shows how white text looks on a background with the CIELCh color 66, 36.699, 214.590.

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

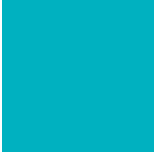
66, 36.699, 214.590

Protanopia

66, 14.453, 287.465

Deuteranopia

66, 24.997, 290.444



Tritanopia
66, 36.736, 209.933

Trichromacy



Original Color
66, 36.699, 214.590



Protanomaly
64, 23.809, 232.472



Deuteranomaly
64, 27.079, 244.737



Tritanomaly
66, 36.695, 211.794

Monochromacy



Original Color
66, 36.699, 214.590



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 21.148, 210.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.699, 214.590 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.699, 214.590 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, 197) }
```

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

```
.border{ border-color:rgb(0, 177, 197) }
```

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, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.699, 214.590 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, 197) }
```

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

```
.background{ background-color: rgb(0, 177,  
197) }
```

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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