

Converting Colors

CIELCh(58, 110.162, 199.519)

Have a look what the booklet for
CIELCh(58, 110.162, 199.519)
contains.

CIELCh(66, 36.879, 219.231)	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, 36.879, 219.231)

Conversions

Conversions Part 1

Format	Color
Hex	00B0C9
RGB	0, 176, 201
RGB Percent	0%, 69%, 79%
CMY	1.0000, 0.3090, 0.2111
CMYK	1.00, 0.12, 0.00, 0.21
HSL	187°, 100%, 39%
HSV	187°, 100%, 79%
XYZ	26.0738, 35.3238, 60.8104
YIQ	126.2260, -112.9210, -29.5370

Conversions

Conversions Part 2

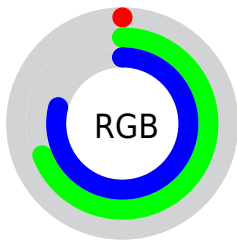
Format	Color
RYB	0, 94, 201
Decimal	45257
CIELab	66.00, -28.57, -23.32
CIElCh	66, 36.879, 219.231
Yxy	35.3238, 0.2134, 0.2890
Android (android.graphics.Color)	4278235337 (0xFF00B0C9)
YUV	126.2260, 36.8636, -110.7002
Hunter-Lab	59.4338, -25.7008, -19.0595

Details

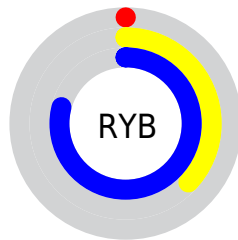
The CIELCh color **66, 36.879, 219.231** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **43, 85.412, 41.512**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 36.499, 216.836**, and **47, 28.878, 226.905** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.760, 219.314**, and if you desaturate by 10%, it is **67, 36.347, 217.143**.

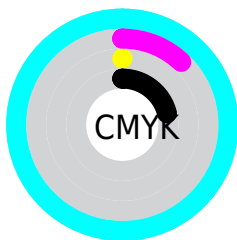
Distribution



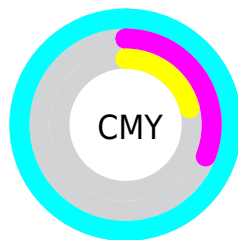
- Red (0%)
- Green (69%)
- Blue (79%)



- Red (0%)
- Yellow (37%)
- Blue (79%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (31%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.879, 219.231 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, 36.879, 219.231 by changing the saturation by 10% instead.


 66, 36.879,
219.231


 66, 36.879,
219.231


 100, 36.879,
219.231


 56, 36.879,
219.231


 86, 36.879,
219.231

 46, 36.879,
219.231

 96, 36.879,
219.231

 36, 36.879,
219.231

 26, 36.879,
219.231

 16, 36.879,
219.231

 6, 36.879, 219.231

 0, 36.879, 219.231

■ 66, 36.879,
219.231

■ 66, 36.879,
219.231

■ 66, 36.760,
219.314

■ 67, 36.347,
217.143

■ 68, 35.316,
215.340

■ 69, 33.469,
213.931

■ 70, 30.770,
212.869

■ 72, 27.237,
212.101

■ 73, 22.937,
211.579

■ 75, 17.960,
211.259

■ 77, 12.409,

211.107

■ 79, 6.390, 211.112

Harmonies

Complementary

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



66, 36.879, 219.231



43, 85.412, 41.512

Rectangle

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



66, 36.879, 219.231



66, 36.879, 269.231



66, 36.879, 39.231



66, 36.879, 89.231

Sweetspot

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



66, 36.760, 219.314



93, 21.735, 211.269



71, 97.699, 137.053



49, 14.570, 211.386



0, 0.000, 0.000



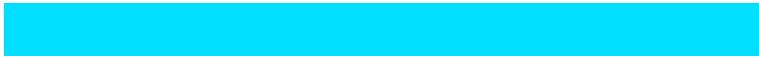
53, 0.007, 296.813

Same Dimension

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



66, 36.760, 219.314



82, 43.911, 219.680



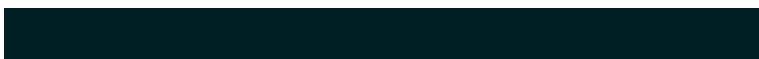
37, 75.748, 293.789



41, 3.596, 211.119



54, 31.500, 218.923



10, 11.587, 213.420

Inverse Universe

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



46, 87.654, 333.922



59, 104.651, 334.013



59, 69.133, 70.735



39, 6.778, 328.539



37, 75.153, 333.826



4, 24.011, 331.559

Previews

White Background



This preview shows how the CIELCh color 66, 36.879, 219.231 looks on a white background.

Color Contrast Check

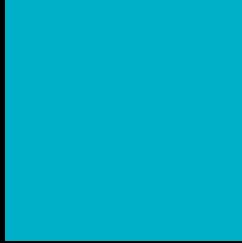
Large Text (above 18pt) WCAG AA × Fail

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, 36.879, 219.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

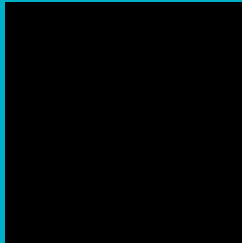
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 36.879, 219.231

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.879, 219.231.



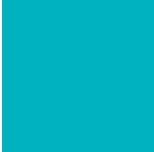
This preview shows how white text looks on a background with the CIELCh color 66, 36.879, 219.231.

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



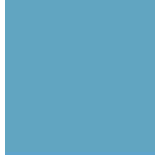


Tritanopia
66, 36.769, 209.005

Trichromacy



Original Color
66, 36.732, 219.353



Protanomaly
64, 25.183, 236.670



Deuteranomaly
64, 29.089, 248.799



Tritanomaly
66, 36.688, 212.726

Monochromacy



Original Color
66, 36.732, 219.353



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 21.178, 211.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.879, 219.231 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, 176, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 201)  
}
```

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, 176, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.879, 219.231 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, 176, 201) }
```

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

```
.border{ border-color:rgb(0, 176, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.879, 219.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 201) }
```

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

```
.background{ background-color: rgb(0, 176,  
201) }
```

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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