

Converting Colors

CIELCh(58, 99.941, 207.211)

Have a look what the booklet for
CIELCh(58, 99.941, 207.211)
contains.

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Color

CIELCh(66, 39.020, 235.434)

Conversions

Conversions Part 1

Format	Color
Hex	00AED9
RGB	0, 174, 217
RGB Percent	0%, 68%, 85%
CMY	1.0000, 0.3170, 0.1485
CMYK	1.00, 0.20, 0.00, 0.15
HSL	192°, 100%, 43%
HSV	192°, 100%, 85%
XYZ	27.6524, 35.3238, 71.0973
YIQ	126.8760, -117.5070, -23.5150

Conversions

Conversions Part 2

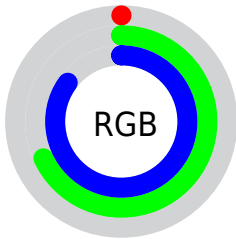
Format	Color
RYB	0, 97, 217
Decimal	44761
CIELab	66.00, -22.14, -32.13
CIELCh	66, 39.020, 235.434
Yxy	35.3238, 0.2062, 0.2635
Android (android.graphics.Color)	4278234841 (0xFF00AED9)
YUV	126.8760, 44.4311, -111.2703
Hunter-Lab	59.4338, -20.9598, -29.3215

Details

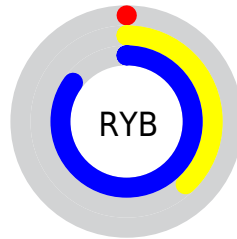
The CIELCh color **66, 39.020, 235.434** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **48, 88.281, 43.183**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 35.933, 219.058**, and **47, 32.608, 246.370** is the 20% darker color. If you saturate the color by 10%, you get **66, 38.915, 235.561**, and if you desaturate by 10%, it is **67, 38.026, 231.846**.

Distribution



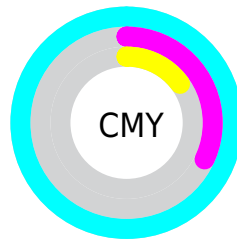
- Red (0%)
- Green (68%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (32%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 39.020, 235.434 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, 39.020, 235.434 by changing the saturation by 10% instead.


 66, 39.020,
235.434


 66, 39.020,
235.434


 100, 39.020,
235.434

 56, 39.020,
235.434


 86, 39.020,
235.434

 46, 39.020,
235.434

 96, 39.020,
235.434

 36, 39.020,
235.434

 26, 39.020,
235.434

 16, 39.020,
235.434

 6, 39.020, 235.434

 0, 39.020, 235.434

66, 39.020,
235.434

66, 39.020,
235.434

66, 38.915,
235.561

67, 38.026,
231.846

69, 36.624,
228.688

71, 34.489,
226.145

73, 31.556,
224.145

75, 27.830,
222.606

77, 23.368,
221.445

79, 18.256,
220.590

81, 12.592,

219.984

■ 84, 6.476, 219.598

Harmonies

Complementary

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



66, 39.020, 235.434



48, 88.281, 43.183

Rectangle

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



66, 39.020, 235.434



66, 39.020, 285.434



66, 39.020, 55.434



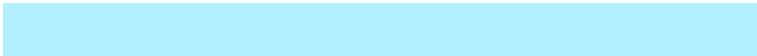
66, 39.020, 105.434

Sweetspot

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



66, 38.915, 235.561



91, 20.778, 220.610



76, 100.991, 138.057



47, 13.943, 220.943



0, 0.000, 0.000



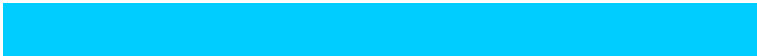
53, 0.007, 296.813

Same Dimension

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



66, 38.915, 235.561



76, 43.976, 235.957



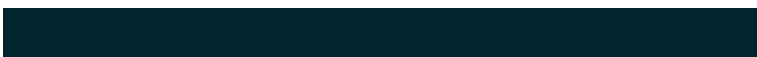
36, 89.906, 297.880



45, 3.712, 219.584



54, 32.857, 234.903



13, 13.096, 227.494

Inverse Universe

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



49, 87.654, 338.155



58, 98.830, 338.266



67, 73.179, 76.898



43, 6.974, 331.011



39, 74.281, 337.972



6, 30.064, 335.951

Previews

White Background



This preview shows how the CIE LCh color 66, 39.020, 235.434 looks on a white background.

Color Contrast Check

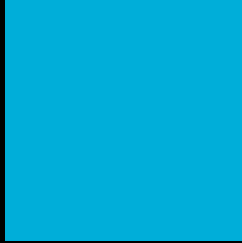
Large Text (above 18pt) WCAG AA × Fail

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, 39.020, 235.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

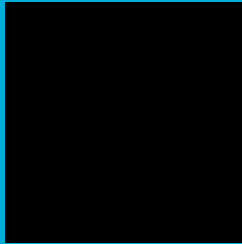
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 39.020, 235.434

Background



This preview shows how black text looks on a background with the CIELCh color 66, 39.020, 235.434.

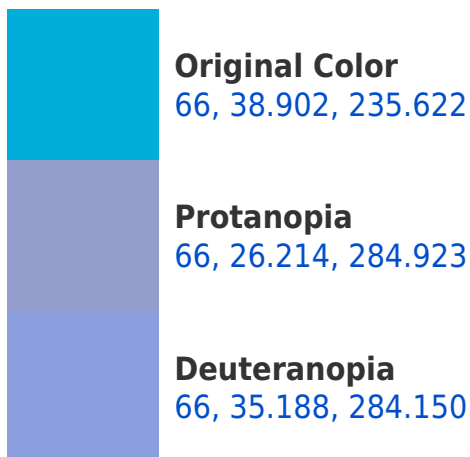


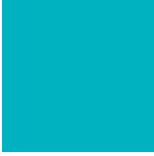
This preview shows how white text looks on a background with the CIELCh color 66, 39.020, 235.434.

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, 38.902, 235.622



Protanomaly
65, 31.065, 252.722



Deuteranomaly
65, 36.137, 258.813



Tritanomaly
66, 36.732, 219.353

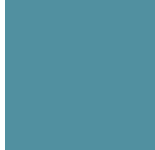
Monochromacy



Original Color
66, 38.902, 235.622



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 21.588, 223.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 39.020, 235.434 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, 174, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 217)  
}
```

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, 174, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 39.020, 235.434 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, 174, 217) }
```

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

```
.border{ border-color:rgb(0, 174, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 174, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 39.020, 235.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 217) }
```

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

```
.background{ background-color: rgb(0, 174,  
217) }
```

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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