

Converting Colors

CIELCh(66, 39.445, 237.906)

Have a look what the booklet for
CIELCh(66, 39.445, 237.906)
contains.

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Color

CIELCh(66, 39.310, 237.286)

Conversions

Conversions Part 1

Format	Color
Hex	00AEDB
RGB	0, 174, 219
RGB Percent	0%, 68%, 86%
CMY	0.9991, 0.3182, 0.1418
CMYK	1.00, 0.21, 0.00, 0.14
HSL	192°, 100%, 43%
HSV	192°, 100%, 86%
XYZ	27.8766, 35.3238, 72.2624
YIQ	127.1040, -118.1490, -22.8930

Conversions

Conversions Part 2

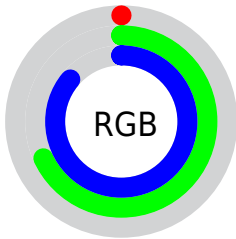
Format	Color
RYB	0, 97, 219
Decimal	44763
CIELab	66.00, -21.24, -33.07
CIELCh	66, 39.310, 237.286
Yxy	35.3238, 0.2058, 0.2608
Android (android.graphics.Color)	4278234843 (0xFF00AEDB)
YUV	127.1040, 45.3047, -111.4702
Hunter-Lab	59.4338, -20.2862, -30.4838

Details

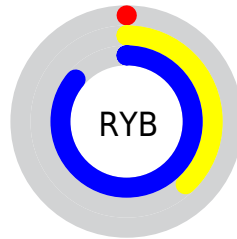
The CIELCh color **66, 39.310, 237.286** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **48, 88.451, 43.404**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 35.766, 219.173**, and **47, 33.261, 248.273** is the 20% darker color. If you saturate the color by 10%, you get **66, 39.319, 237.329**, and if you desaturate by 10%, it is **67, 38.330, 233.428**.

Distribution



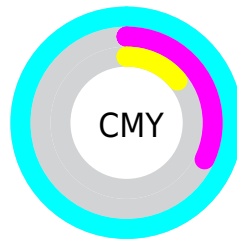
- Red (0%)
- Green (68%)
- Blue (86%)



- Red (0%)
- Yellow (38%)
- Blue (86%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (32%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 39.310, 237.286 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, 39.310, 237.286 by changing the saturation by 10% instead.

 66, 39.310,
237.286


 66, 39.310,
237.286


 100, 39.310,
237.286


 56, 39.310,
237.286


 86, 39.310,
237.286


 46, 39.310,
237.286


 96, 39.310,
237.286

 36, 39.310,
237.286

 26, 39.310,
237.286

 16, 39.310,
237.286

 6, 39.310, 237.286

 0, 39.310, 237.286

■ 66, 39.310,
237.286

■ 66, 39.310,
237.286

■ 66, 39.319,
237.329

■ 67, 38.330,
233.428

■ 69, 36.850,
230.142

■ 71, 34.651,
227.487

■ 73, 31.664,
225.393

■ 75, 27.894,
223.775

■ 77, 23.394,
222.548

■ 79, 18.251,
221.637

■ 82, 12.560,

220.983

■ 85, 6.423, 220.556

Harmonies

Complementary

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



66, 39.310, 237.286



48, 88.451, 43.404

Rectangle

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



66, 39.310, 237.286



66, 39.310, 287.286



66, 39.310, 57.286



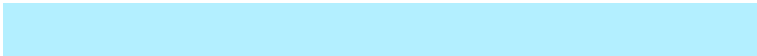
66, 39.310, 107.286

Sweetspot

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



66, 39.309, 237.286



91, 20.708, 221.666



77, 100.764, 138.393



47, 13.898, 222.023



0, 0.000, 0.000



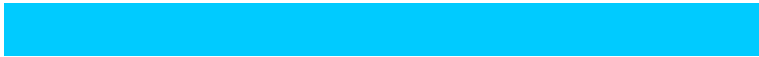
53, 0.007, 296.813

Same Dimension

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



66, 39.309, 237.286



76, 44.179, 237.718



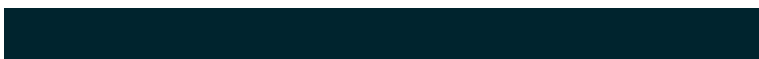
36, 92.657, 298.700



45, 3.697, 220.543



53, 32.988, 236.626



13, 13.099, 228.921

Inverse Universe

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



50, 87.640, 338.641



58, 98.241, 338.765



68, 73.741, 78.493



43, 6.935, 331.293



39, 73.847, 338.454



6, 29.897, 336.328

Previews

White Background



This preview shows how the CIE LCh color 66, 39.310, 237.286 looks on a white background.

Color Contrast Check

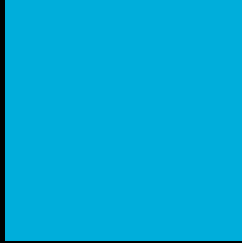
Large Text (above 18pt) WCAG AA × Fail

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, 39.310, 237.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

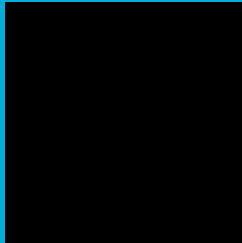
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 39.310, 237.286

Background



This preview shows how black text looks on a background with the CIELCh color 66, 39.310, 237.286.

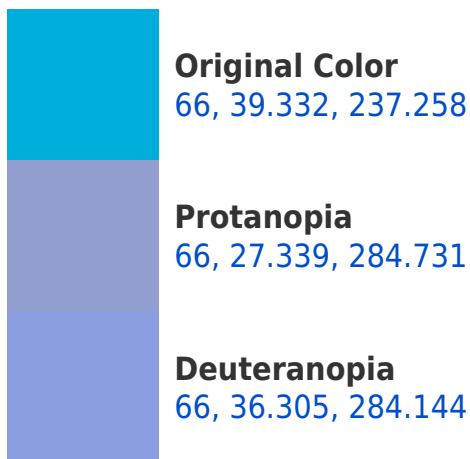


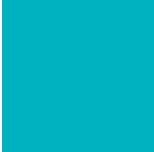
This preview shows how white text looks on a background with the CIELCh color 66, 39.310, 237.286.

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, 39.332, 237.258



Protanomaly
65, 31.960, 253.970



Deuteranomaly
65, 36.555, 259.449



Tritanomaly
66, 36.732, 219.353

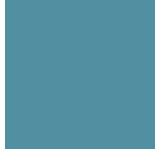
Monochromacy



Original Color
66, 39.332, 237.258



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, 39.310, 237.286 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 39.310, 237.286 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, 219) }
```

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

```
.border{ border-color:rgb(0, 174, 219) }
```

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, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 39.310, 237.286 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, 219) }
```

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

```
.background{ background-color: rgb(0, 174,  
219) }
```

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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