

Converting Colors

CIELCh(66, 34.495, 233.285)

Have a look what the booklet for
CIELCh(66, 34.495, 233.285)
contains.

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Color

CIELCh(66, 34.440, 233.313)

Conversions

Conversions Part 1

Format	Color
Hex	37ADD1
RGB	55, 173, 209
RGB Percent	22%, 68%, 82%
CMY	0.7840, 0.3214, 0.1802
CMYK	0.74, 0.17, 0.00, 0.18
HSL	194°, 63%, 52%
HSV	194°, 74%, 82%
XYZ	28.0454, 35.3238, 65.6913
YIQ	141.8220, -81.8840, -13.8200

Conversions

Conversions Part 2

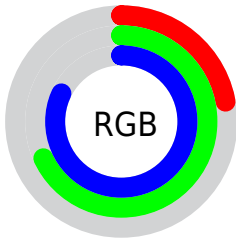
Format	Color
RYB	55, 122, 209
Decimal	3648977
CIELab	66.00, -20.58, -27.62
CIELCh	66, 34.440, 233.313
Yxy	35.3238, 0.2173, 0.2737
Android (android.graphics.Color)	4281839057 (0xFF37ADD1)
YUV	141.8220, 33.1188, -76.1429
Hunter-Lab	59.4338, -19.7794, -23.9287

Details

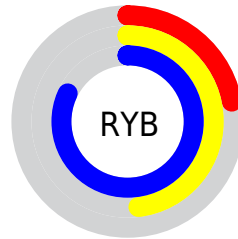
The CIELCh color **66, 34.440, 233.313** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **53, 61.783, 43.962**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 32.445, 222.779**, and **47, 30.477, 239.409** is the 20% darker color. If you saturate the color by 10%, you get **64, 36.510, 236.574**, and if you desaturate by 10%, it is **68, 31.690, 230.688**.

Distribution



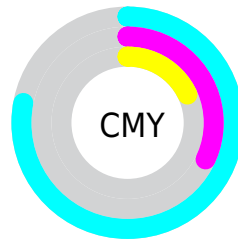
- Red (22%)
- Green (68%)
- Blue (82%)



- Red (22%)
- Yellow (48%)
- Blue (82%)



- Cyan (74%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)





- Cyan (78%)
- Magenta (32%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 34.440, 233.313 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, 34.440, 233.313 by changing the saturation by 10% instead.


 66, 34.440,
233.313


 66, 34.440,
233.313


 100, 34.440,
233.313


 56, 34.440,
233.313


 86, 34.440,
233.313

 46, 34.440,
233.313

 96, 34.440,
233.313

 36, 34.440,
233.313

 26, 34.440,
233.313

 16, 34.440,
233.313

 6, 34.440, 233.313

 0, 34.440, 233.313

66, 34.440,
233.313

66, 34.440,
233.313

64, 36.510,
236.574

68, 31.690,
230.688

62, 38.010,
240.518

70, 28.235,
228.618

61, 38.812,
243.261

72, 24.100,
227.011

75, 19.353,
225.781

77, 14.077,
224.858

80, 8.362, 224.187

83, 2.293, 223.851

86, 4.051, 43.110

Harmonies

Complementary

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



66, 34.440, 233.313



53, 61.783, 43.962

Rectangle

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



66, 34.440, 233.313



66, 34.440, 283.313



66, 34.440, 53.313



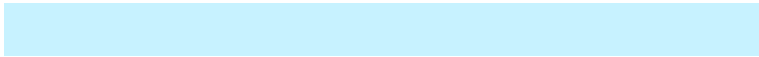
66, 34.440, 103.313

Sweetspot

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



66, 34.439, 233.313



93, 15.450, 224.749



74, 78.873, 143.676



49, 10.292, 224.966



0, 0.000, 0.000



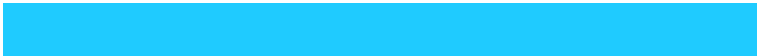
53, 0.007, 296.813

Same Dimension

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



66, 34.439, 233.313



76, 43.416, 238.601



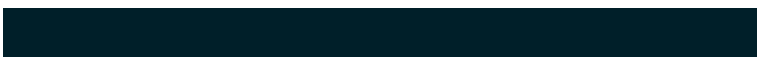
44, 67.248, 291.691



43, 3.513, 223.979



50, 32.920, 242.512



10, 12.244, 232.771

Inverse Universe

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



51, 75.976, 337.310



59, 95.245, 338.976



71, 60.880, 86.399



41, 6.537, 332.310



38, 70.811, 340.183



5, 25.969, 337.324

Previews

White Background



This preview shows how the CIE LCh color 66, 34.440, 233.313 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, 34.440, 233.313 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

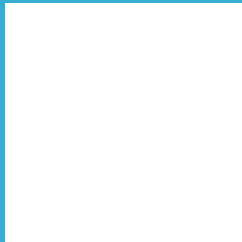
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 34.440, 233.313

Background



This preview shows how black text looks on a background with the CIELCh color 66, 34.440, 233.313.

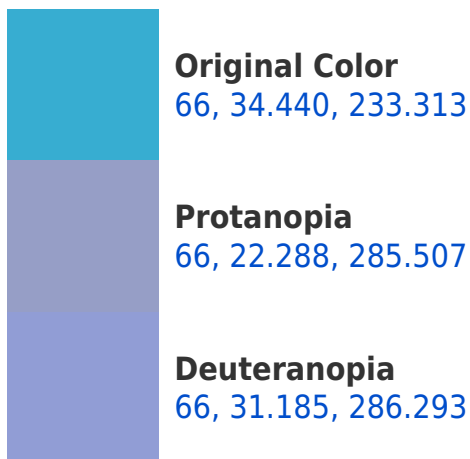


This preview shows how white text looks on a background with the CIELCh color 66, 34.440, 233.313.

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, 34.406, 211.014

Trichromacy



Original Color
66, 34.440, 233.313

Protanomaly
65, 25.656, 256.948

Deuteranomaly
65, 30.430, 263.007

Tritanomaly
66, 33.991, 219.368

Monochromacy



Original Color
66, 34.440, 233.313

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 16.114, 225.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 34.440, 233.313 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(55, 173, 209)` looks like.

```
.text, #text, p{  
    color:rgb(55, 173, 209)  
}
```

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(55, 173, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 173, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 34.440, 233.313 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(55, 173, 209) }
```

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

```
.border{ border-color:rgb(55, 173, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 173, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 173, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 173, 209);  
box-shadow:4px 4px 4px 4px rgb(55, 173,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 34.440, 233.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 173, 209) }
```

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

```
.background{ background-color: rgb(55, 173,  
209) }
```

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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