

Converting Colors

CIELCh(38, 55.506, 284.286)

Have a look what the booklet for
CIELCh(38, 55.506, 284.286)
contains.

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Color

CIELCh(38, 55.057, 284.195)

Conversions

Conversions Part 1

Format	Color
Hex	0058B1
RGB	0, 88, 177
RGB Percent	0%, 35%, 69%
CMY	1.0000, 0.6560, 0.3071
CMYK	1.00, 0.50, 0.00, 0.31
HSL	210°, 100%, 35%
HSV	210°, 100%, 69%
XYZ	11.3556, 10.0881, 42.7759
YIQ	71.8340, -81.0170, 9.0230

Conversions

Conversions Part 2

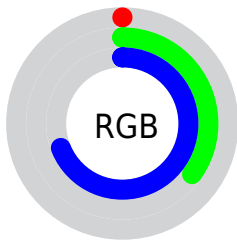
Format	Color
RYB	0, 59, 177
Decimal	22705
CIELab	38.00, 13.50, -53.38
CIELCh	38, 55.057, 284.195
Yxy	10.0881, 0.1768, 0.1571
Android (android.graphics.Color)	4278212785 (0xFF0058B1)
YUV	71.8340, 51.8468, -62.9984
Hunter-Lab	31.7617, 8.2351, -57.6173

Details

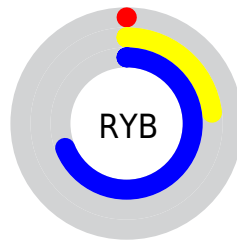
The CIELCh color **38, 55.057, 284.195** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **48, 64.598, 61.011**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 54.969, 284.159**, and **21, 52.794, 293.794** is the 20% darker color. If you saturate the color by 10%, you get **38, 55.047, 284.252**, and if you desaturate by 10%, it is **41, 49.515, 279.872**.

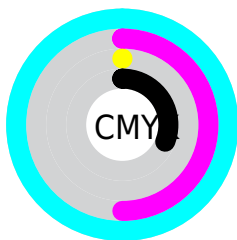
Distribution



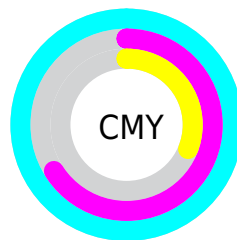
- Red (0%)
- Green (35%)
- Blue (69%)



- Red (0%)
- Yellow (23%)
- Blue (69%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (66%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 55.057, 284.195 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 38, 55.057, 284.195 by changing the saturation by 10% instead.


 38, 55.057,
284.195


 38, 55.057,
284.195

 100, 55.057,
284.195


 28, 55.057,
284.195

 58, 55.057,
284.195


 18, 55.057,
284.195


 68, 55.057,
284.195

 8, 55.057, 284.195

 78, 55.057,
284.195

 0, 55.057, 284.195

 88, 55.057,
284.195

 98, 55.057,
284.195

■ 38, 55.057,
284.195

■ 38, 55.057,
284.195

■ 38, 55.047,
284.252

■ 41, 49.515,
279.872

■ 44, 44.159,
275.554

■ 47, 38.873,
271.610

■ 50, 33.578,
268.130

■ 54, 28.213,
265.132

■ 57, 22.751,
262.587

■ 61, 17.184,
260.442

■ 65, 11.525,

258.641

■ 68, 5.792, 257.143

Harmonies

Complementary

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



38, 55.057, 284.195



48, 64.598, 61.011

Rectangle

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



38, 55.057, 284.195



38, 55.057, 334.195



38, 55.057, 104.195



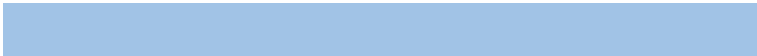
38, 55.057, 154.195

Sweetspot

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



38, 55.047, 284.252



77, 21.249, 260.544



63, 67.508, 149.225



39, 14.442, 261.388



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 55.047, 284.252



49, 68.102, 285.085



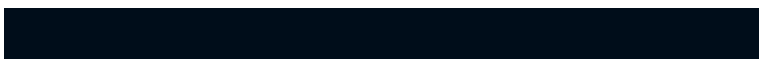
21, 101.616, 306.287



36, 3.309, 257.053



33, 48.950, 283.695



3, 8.828, 266.363

Inverse Universe

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



38, 64.337, 2.176



49, 78.142, 3.000



70, 73.591, 102.852



35, 4.745, 344.562



32, 57.915, 1.639



2, 10.584, 350.056

Previews

White Background



This preview shows how the CIE LCh color 38, 55.057, 284.195 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 38, 55.057, 284.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

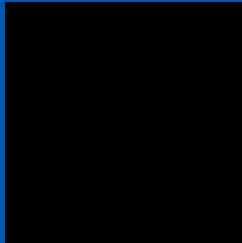
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 55.057, 284.195

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.057, 284.195.



This preview shows how white text looks on a background with the CIELCh color 38, 55.057, 284.195.

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

38, 55.057, 284.195

Protanopia

38, 54.755, 287.241

Deuteranopia

38, 42.812, 274.581



Tritanopia
38, 24.230, 206.998

Trichromacy



Original Color
38, 55.057, 284.195

Protanomaly
38, 54.902, 285.664

Deuteranomaly
38, 47.176, 278.792

Tritanomaly
38, 28.852, 250.837

Monochromacy



Original Color
38, 55.057, 284.195

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 22.070, 266.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.057, 284.195 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, 88, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 177)  
}
```

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, 88, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.057, 284.195 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, 88, 177) }
```

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

```
.border{ border-color:rgb(0, 88, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 88, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 177)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.057, 284.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 177) }
```

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

```
.background{ background-color: rgb(0, 88,  
177) }
```

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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