

Converting Colors

CIELCh(38, 55.661, 128.034)

Have a look what the booklet for
CIELCh(38, 55.661, 128.034)
contains.

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Color

CIELCh(38, 55.680, 128.069)

Conversions

Conversions Part 1

Format	Color
Hex	306600
RGB	48, 102, 0
RGB Percent	19%, 40%, 0%
CMY	0.8126, 0.6007, 1.0000
CMYK	0.53, 0.00, 1.00, 0.60
HSL	92°, 100%, 20%
HSV	92°, 100%, 40%
XYZ	5.9405, 10.0881, 1.6277
YIQ	74.2260, 0.5580, -43.1700

Conversions

Conversions Part 2

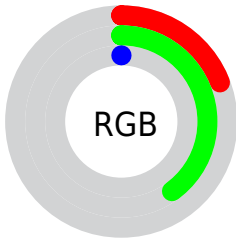
Format	Color
RYB	0, 102, 54
Decimal	3171840
CIELab	38.00, -34.33, 43.84
CIELCh	38, 55.680, 128.069
Yxy	10.0881, 0.3365, 0.5714
Android (android.graphics.Color)	4281361920 (0xFF306600)
YUV	74.2260, -36.5934, -23.0002
Hunter-Lab	31.7617, -22.1975, 19.1947

Details

The CIELCh color **38, 55.680, 128.069** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **14, 62.829, 313.249**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 56.075, 127.990**, and **19, 38.494, 138.187** is the 20% darker color. If you saturate the color by 10%, you get **38, 55.625, 128.102**, and if you desaturate by 10%, it is **38, 52.293, 127.732**.

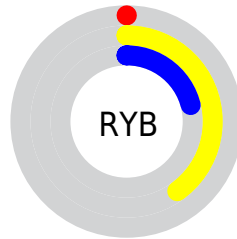
Distribution



Red (19%)

Green (40%)

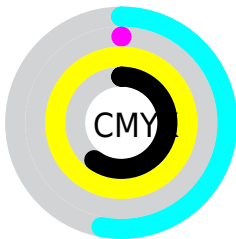
Blue (0%)



Red (0%)

Yellow (40%)

Blue (21%)

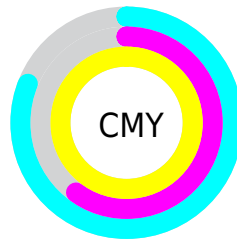


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (81%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 55.680, 128.069 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, 55.680, 128.069 by changing the saturation by 10% instead.


 38, 55.680,
128.069


 38, 55.680,
128.069

 100, 55.680,
128.069


 28, 55.680,
128.069

 58, 55.680,
128.069


 18, 55.680,
128.069


 68, 55.680,
128.069

 8, 55.680, 128.069

 78, 55.680,
128.069

 0, 55.680, 128.069

 88, 55.680,
128.069

 98, 55.680,
128.069

■ 38, 55.680,
128.069

■ 38, 55.680,
128.069

■ 38, 55.625,
128.102

■ 38, 52.293,
127.732

■ 39, 48.495,
127.390

■ 39, 43.740,
127.384

■ 39, 38.279,
127.605

■ 40, 32.336,
127.964

■ 40, 26.083,
128.392

■ 41, 19.646,
128.846

■ 42, 13.114,

129.299

■ 42, 6.548, 129.737

Harmonies

Complementary

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



38, 55.680, 128.069



14, 62.829, 313.249

Rectangle

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



38, 55.680, 128.069



38, 55.680, 178.069



38, 55.680, 308.069



38, 55.680, 358.069

Sweetspot

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



38, 55.625, 128.102



53, 24.404, 128.806



28, 42.314, 63.947



26, 16.499, 128.672



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 55.625, 128.102



49, 67.481, 128.572



37, 60.638, 136.288



21, 3.680, 129.783



43, 60.678, 128.329



86, 106.260, 129.294

Inverse Universe

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



14, 62.829, 313.249



20, 76.076, 312.927



23, 58.173, 328.868



19, 3.724, 310.479



17, 68.473, 313.094



40, 119.447, 312.424

Previews

White Background



This preview shows how the CIELCh color 38, 55.680, 128.069 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, 55.680, 128.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

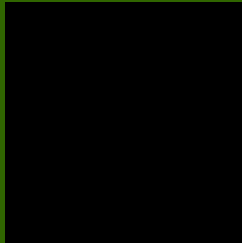
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 55.680, 128.069

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.680, 128.069.



This preview shows how white text looks on a background with the CIELCh color 38, 55.680, 128.069.

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, 55.680, 128.069

Protanopia

38, 45.416, 95.066

Deuteranopia

38, 39.373, 83.418



Tritanopia
38, 12.666, 218.034

Trichromacy



Original Color
38, 55.680, 128.069

Protanomaly
37, 47.171, 110.118

Deuteranomaly
37, 41.920, 104.798

Tritanomaly
37, 25.860, 147.399

Monochromacy



Original Color
38, 55.680, 128.069

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 24.521, 128.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.680, 128.069 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(48, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(48, 102, 0)  
}
```

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(48, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 102, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.680, 128.069 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(48, 102, 0) }
```

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

```
.border{ border-color:rgb(48, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(48, 102, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.680, 128.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 102, 0) }
```

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

```
.background{ background-color: rgb(48, 102,  
0) }
```

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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