

Converting Colors

CIELCh(38, 73.635, 125.219)

Have a look what the booklet for
CIELCh(38, 73.635, 125.219)
contains.

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Color

CIELCh(38, 59.335, 132.663)

Conversions

Conversions Part 1

Format	Color
Hex	1D6800
RGB	29, 104, 0
RGB Percent	11%, 41%, 0%
CMY	0.8844, 0.5937, 1.0000
CMYK	0.72, 0.00, 1.00, 0.59
HSL	103°, 100%, 20%
HSV	103°, 100%, 41%
XYZ	5.4281, 10.0881, 1.6479
YIQ	69.7190, -11.3160, -48.2440

Conversions

Conversions Part 2

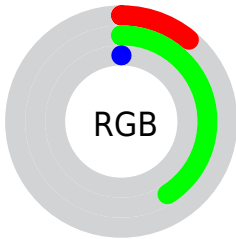
Format	Color
RYB	0, 104, 75
Decimal	1927168
CIELab	38.00, -40.21, 43.63
CIELCh	38, 59.335, 132.663
Yxy	10.0881, 0.3162, 0.5877
Android (android.graphics.Color)	4280117248 (0xFF1D6800)
YUV	69.7190, -34.3715, -35.7106
Hunter-Lab	31.7617, -25.0772, 19.1570

Details

The CIELCh color **38, 59.335, 132.663** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **18, 61.443, 318.343**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 59.376, 133.016**, and **19, 39.062, 137.997** is the 20% darker color. If you saturate the color by 10%, you get **38, 59.226, 132.732**, and if you desaturate by 10%, it is **38, 55.843, 132.704**.

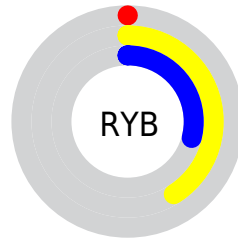
Distribution



Red (11%)

Green (41%)

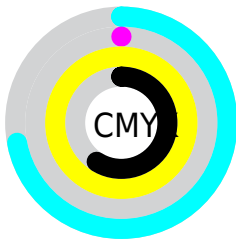
Blue (0%)



Red (0%)

Yellow (41%)

Blue (29%)

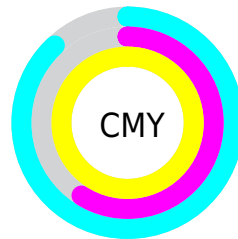


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (88%)


Magenta (59%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 59.335, 132.663 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, 59.335, 132.663 by changing the saturation by 10% instead.

 38, 59.335,
132.663


 38, 59.335,
132.663

 100, 59.335,
132.663


 28, 59.335,
132.663

 58, 59.335,
132.663


 18, 59.335,
132.663

 68, 59.335,
132.663

 8, 59.335, 132.663

 78, 59.335,
132.663

 0, 59.335, 132.663

 88, 59.335,
132.663

 98, 59.335,
132.663

■ 38, 59.335,
132.663

■ 38, 59.335,
132.663

■ 38, 59.226,
132.732

■ 38, 55.843,
132.704

■ 39, 51.852,
132.644

■ 39, 46.810,
132.876

■ 39, 40.986,
133.293

■ 40, 34.623,
133.804

■ 41, 27.915,
134.343

■ 41, 21.005,
134.873

■ 42, 14.000,

135.372

■ 43, 6.978, 135.833

Harmonies

Complementary

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



38, 59.335, 132.663



18, 61.443, 318.343

Rectangle

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



38, 59.335, 132.663



38, 59.335, 182.663



38, 59.335, 312.663



38, 59.335, 2.663

Sweetspot

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



38, 59.226, 132.732



53, 26.126, 134.829



33, 42.864, 80.251



27, 17.951, 134.666



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 59.226, 132.732



49, 71.947, 133.104



38, 56.805, 139.533



21, 3.865, 135.882



42, 63.794, 132.888



84, 111.651, 133.632

Inverse Universe

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



18, 61.443, 318.343



25, 74.405, 318.091



22, 51.457, 337.525



19, 3.893, 316.555



20, 66.094, 318.240



46, 114.960, 317.704

Previews

White Background



This preview shows how the CIELCh color 38, 59.335, 132.663 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, 59.335, 132.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

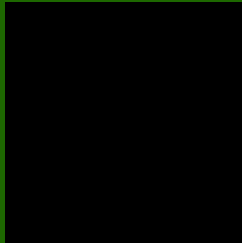
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 59.335, 132.663

Background



This preview shows how black text looks on a background with the CIELCh color 38, 59.335, 132.663.



This preview shows how white text looks on a background with the CIELCh color 38, 59.335, 132.663.

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, 59.464, 132.843

Protanopia

38, 45.416, 95.066

Deuteranopia

38, 38.972, 83.284



Tritanopia
38, 16.070, 215.622

Trichromacy



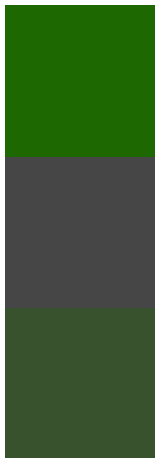
Original Color
38, 59.464, 132.843

Protanomaly
37, 47.810, 114.111

Deuteranomaly
37, 42.326, 110.201

Tritanomaly
38, 30.014, 153.702

Monochromacy



Original Color
38, 59.464, 132.843

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 26.007, 134.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 59.335, 132.663 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(29, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(29, 104, 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(29, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 104, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 59.335, 132.663 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(29, 104, 0) }
```

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

```
.border{ border-color:rgb(29, 104, 0) }
```

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

Here you see how a box with a 4 pixel rgb(29, 104, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(29, 104, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 59.335, 132.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 104, 0) }
```

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

```
.background{ background-color: rgb(29, 104,  
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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