

Converting Colors

CIELCh(38, 69.483, 46.565)

Have a look what the booklet for
CIELCh(38, 69.483, 46.565) contains.

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Color

CIELCh(38, 69.187, 46.629)

Conversions

Conversions Part 1

Format	Color
Hex	A62E00
RGB	166, 46, 0
RGB Percent	65%, 18%, 0%
CMY	0.3484, 0.8190, 0.9996
CMYK	0.00, 0.72, 1.00, 0.35
HSL	17°, 100%, 33%
HSV	17°, 100%, 65%
XYZ	16.7402, 10.0881, 1.0678
YIQ	76.6360, 86.2860, 11.1340

Conversions

Conversions Part 2

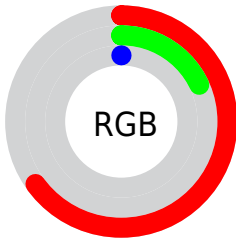
Format	Color
RYB	166, 64, 0
Decimal	10890752
CIELab	38.00, 47.51, 50.29
CIElCh	38, 69.187, 46.629
Yxy	10.0881, 0.6001, 0.3616
Android (android.graphics.Color)	4289080832 (0xFFA62E00)
YUV	76.6360, -37.7815, 78.3722
Hunter-Lab	31.7617, 38.4968, 20.2399

Details

The CIELCh color **38, 69.187, 46.629** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **47, 34.239, 251.301**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 69.204, 46.679**, and **20, 51.788, 36.330** is the 20% darker color. If you saturate the color by 10%, you get **38, 69.228, 46.634**, and if you desaturate by 10%, it is **40, 62.638, 46.980**.

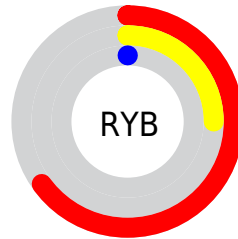
Distribution



Red (65%)

Green (18%)

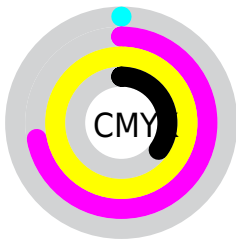
Blue (0%)



Red (65%)

Yellow (25%)

Blue (0%)

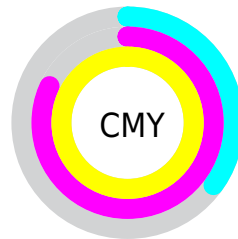


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 69.187, 46.629 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, 69.187, 46.629 by changing the saturation by 10% instead.

38, 69.187, 46.629

38, 69.187, 46.629

100, 69.187,
46.629

28, 69.187, 46.629

58, 69.187, 46.629

18, 69.187, 46.629

68, 69.187, 46.629

8, 69.187, 46.629

78, 69.187, 46.629

0, 69.187, 46.629

88, 69.187, 46.629

98, 69.187, 46.629

38, 69.187, 46.629

38, 69.187, 46.629

38, 69.228, 46.634

40, 62.638, 46.980

■ 42, 55.076, 47.107

■ 45, 46.969, 46.980

■ 48, 38.939, 46.874

■ 51, 31.262, 46.887

■ 54, 24.049, 47.039

■ 57, 17.331, 47.317

■ 61, 11.099, 47.697

■ 65, 5.324, 48.131

Harmonies

Complementary

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



38, 69.187, 46.629



47, 34.239, 251.301

Rectangle

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



38, 69.187, 46.629



38, 69.187, 96.629



38, 69.187, 226.629



38, 69.187, 276.629

Sweetspot

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



38, 69.185, 46.631



73, 21.614, 47.297



37, 68.563, 342.344



37, 15.104, 47.173



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



38, 69.185, 46.631



49, 84.967, 46.053



55, 61.202, 85.099



34, 3.056, 48.158



34, 63.268, 46.890



2, 5.471, 44.039

Inverse Universe

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



47, 34.239, 251.301



61, 42.046, 252.330



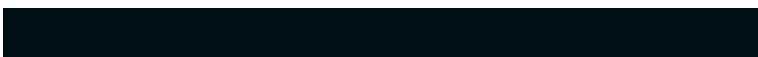
24, 81.075, 301.015



34, 2.904, 229.435



42, 31.334, 250.810



3, 5.391, 237.778

Previews

White Background



This preview shows how the CIELCh color 38, 69.187, 46.629 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 CIELCh color 38, 69.187, 46.629 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, 69.187, 46.629

Background



This preview shows how black text looks on a background with the CIELCh color 38, 69.187, 46.629.



This preview shows how white text looks on a background with the CIELCh color 38, 69.187, 46.629.

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, 69.187, 46.629

Protanopia

38, 40.295, 95.798

Deuteranopia

38, 46.511, 84.746



Tritanopia
38, 58.144, 30.465

Trichromacy



Original Color
38, 69.187, 46.629

Protanomaly
37, 45.274, 68.675

Deuteranomaly
37, 51.592, 65.185

Tritanomaly
38, 62.472, 38.126

Monochromacy



Original Color
38, 69.187, 46.629

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 24.613, 47.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 69.187, 46.629 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(166, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 46, 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(166, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 46, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 69.187, 46.629 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(166, 46, 0) }
```

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

```
.border{ border-color:rgb(166, 46, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 69.187, 46.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 46, 0) }
```

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

```
.background{ background-color: rgb(166, 46,  
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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