

Converting Colors

CIELCh(38, 65.692, 49.528)

Have a look what the booklet for
CIELCh(38, 65.692, 49.528) contains.

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Color

CIELCh(38, 65.731, 49.279)

Conversions

Conversions Part 1

Format	Color
Hex	A13500
RGB	161, 53, 0
RGB Percent	63%, 21%, 0%
CMY	0.3694, 0.7928, 1.0000
CMYK	0.00, 0.67, 1.00, 0.37
HSL	20°, 100%, 32%
HSV	20°, 100%, 63%
XYZ	15.9241, 10.0881, 1.1039
YIQ	79.2500, 81.3810, 6.4130

Conversions

Conversions Part 2

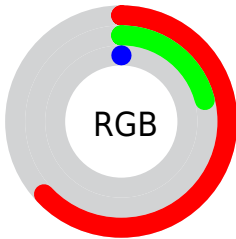
Format	Color
R_{YB}	161, 79, 0
Decimal	10564864
CIE Lab	38.00, 42.88, 49.82
CIE LCh	38, 65.731, 49.279
Yxy	10.0881, 0.5873, 0.3720
Android (android.graphics.Color)	4288754944 (0xFFFA13500)
YUV	79.2500, -39.0703, 71.6947
Hunter-Lab	31.7617, 33.9101, 20.1726

Details

The CIELCh color **38, 65.731, 49.279** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **43, 36.177, 260.667**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 65.881, 49.458**, and **19, 50.072, 35.830** is the 20% darker color. If you saturate the color by 10%, you get **38, 65.691, 49.251**, and if you desaturate by 10%, it is **40, 59.480, 50.126**.

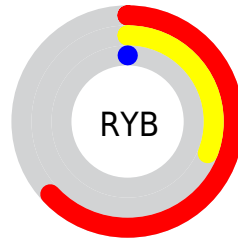
Distribution



Red (63%)

Green (21%)

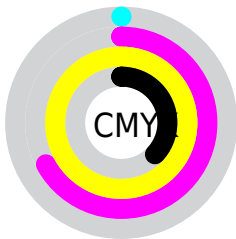
Blue (0%)



Red (63%)

Yellow (31%)

Blue (0%)

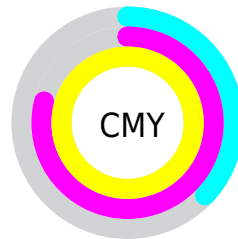


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (79%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 65.731, 49.279 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, 65.731, 49.279 by changing the saturation by 10% instead.

38, 65.731, 49.279

38, 65.731, 49.279

100, 65.731,
49.279

28, 65.731, 49.279

58, 65.731, 49.279

18, 65.731, 49.279

68, 65.731, 49.279

8, 65.731, 49.279

78, 65.731, 49.279

0, 65.731, 49.279

88, 65.731, 49.279

98, 65.731, 49.279

38, 65.731, 49.279

38, 65.731, 49.279

38, 65.691, 49.251

40, 59.480, 50.126

■ 42, 52.404, 50.801

■ 45, 44.785, 51.175

■ 47, 37.209, 51.509

■ 50, 29.944, 51.905

■ 53, 23.096, 52.391

■ 56, 16.695, 52.965

■ 60, 10.731, 53.607

■ 63, 5.177, 54.279

Harmonies

Complementary

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



38, 65.731, 49.279



43, 36.177, 260.667

Rectangle

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



38, 65.731, 49.279



38, 65.731, 99.279



38, 65.731, 229.279



38, 65.731, 279.279

Sweetspot

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



38, 65.691, 49.251



72, 20.718, 52.930



35, 64.844, 345.883



36, 14.313, 52.696



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



38, 65.691, 49.251



49, 80.397, 48.582



56, 61.062, 89.468



33, 2.956, 54.326



34, 60.796, 49.546



2, 4.480, 51.263

Inverse Universe

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



43, 36.177, 260.667



56, 44.452, 261.729



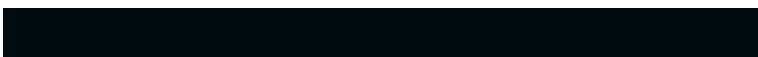
22, 83.631, 302.701



33, 2.825, 235.988



39, 33.434, 260.185



3, 4.516, 242.230

Previews

White Background



This preview shows how the CIELCh color 38, 65.731, 49.279 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, 65.731, 49.279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

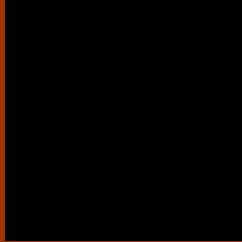
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 65.731, 49.279

Background



This preview shows how black text looks on a background with the CIELCh color 38, 65.731, 49.279.



This preview shows how white text looks on a background with the CIELCh color 38, 65.731, 49.279.

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, 65.731, 49.279

Protanopia

38, 41.019, 95.815

Deuteranopia

38, 46.511, 84.746



Tritanopia
38, 52.814, 28.212

Trichromacy



Original Color
38, 65.731, 49.279

Protanomaly
37, 44.901, 71.423

Deuteranomaly
37, 50.727, 67.297

Tritanomaly
38, 57.839, 38.538

Monochromacy



Original Color
38, 65.731, 49.279

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 23.799, 51.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 65.731, 49.279 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(161, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 53, 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(161, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 53, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 65.731, 49.279 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(161, 53, 0) }
```

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

```
.border{ border-color:rgb(161, 53, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 53, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 65.731, 49.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 53, 0) }
```

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

```
.background{ background-color: rgb(161, 53,  
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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