

Converting Colors

CIELCh(38, 45.765, 99.023)

Have a look what the booklet for
CIELCh(38, 45.765, 99.023) contains.

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Color

CIELCh(38, 45.765, 99.023)

Conversions

Conversions Part 1

Format	Color
Hex	615B00
RGB	97, 91, 0
RGB Percent	38%, 36%, 0%
CMY	0.6184, 0.6420, 0.9987
CMYK	0.00, 0.06, 1.00, 0.62
HSL	56°, 99%, 19%
HSV	56°, 100%, 38%
XYZ	8.7285, 10.0881, 1.4963
YIQ	82.4200, 32.7870, -27.0290

Conversions

Conversions Part 2

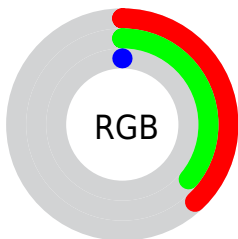
Format	Color
RYB	6, 97, 0
Decimal	6380288
CIELab	38.00, -7.18, 45.20
CIELCh	38, 45.765, 99.023
Yxy	10.0881, 0.4297, 0.4966
Android (android.graphics.Color)	4284570368 (0xFF615B00)
YUV	82.4200, -40.6331, 12.7867
Hunter-Lab	31.7617, -6.5292, 19.4401

Details

The CIELCh color **38, 45.765, 99.023** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9, 62.275, 304.671**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 45.979, 98.999**, and **18, 26.558, 104.150** is the 20% darker color. If you saturate the color by 10%, you get **38, 45.856, 99.005**, and if you desaturate by 10%, it is **38, 43.202, 99.642**.

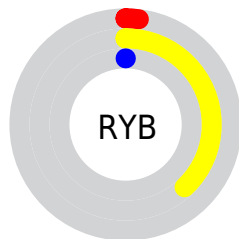
Distribution



Red (38%)

Green (36%)

Blue (0%)



Red (2%)

Yellow (38%)

Blue (0%)

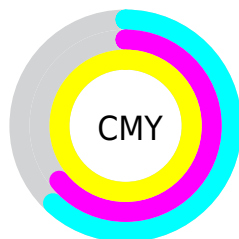


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (62%)



Cyan (62%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 45.765, 99.023 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, 45.765, 99.023 by changing the saturation by 10% instead.

■ 38, 45.765, 99.023

■ 38, 45.765, 99.023

■ 100, 45.765,
99.023

■ 28, 45.765, 99.023

■ 58, 45.765, 99.023

■ 18, 45.765, 99.023

■ 68, 45.765, 99.023

■ 8, 45.765, 99.023

■ 78, 45.765, 99.023

■ 0, 45.765, 99.023

■ 88, 45.765, 99.023

■ 98, 45.765, 99.023

■ 38, 45.765, 99.023

■ 38, 45.765, 99.023

■ 38, 45.856, 99.005

■ 38, 43.202, 99.642

■ 38, 40.262,
100.313

■ 39, 36.398,
101.083

■ 39, 31.878,
101.933

■ 39, 26.925,
102.839

■ 40, 21.702,
103.781

■ 40, 16.320,
104.740

■ 40, 10.850,
105.702

■ 41, 5.338, 106.652

Harmonies

Complementary

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



38, 45.765, 99.023



9, 62.275, 304.671

Rectangle

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



38, 45.765, 99.023



38, 45.765, 149.023



38, 45.765, 279.023



38, 45.765, 329.023

Sweetspot

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



38, 45.765, 99.025



52, 20.599, 104.619



18, 47.064, 32.622



26, 13.913, 104.346



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 45.765, 99.025



49, 55.493, 98.879



37, 52.127, 124.643



20, 3.085, 106.727



44, 50.667, 98.936



88, 88.344, 98.674

Inverse Universe

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



9, 62.275, 304.671



14, 76.779, 305.131



12, 61.863, 311.160



18, 3.139, 288.460



11, 69.617, 304.951



31, 125.103, 305.723

Previews

White Background



This preview shows how the CIELCh color 38, 45.765, 99.023 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, 45.765, 99.023 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, 45.765, 99.023

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.765, 99.023.



This preview shows how white text looks on a background with the CIELCh color 38, 45.765, 99.023.

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, 45.765, 99.023

Protanopia

38, 45.686, 95.777

Deuteranopia

38, 42.409, 83.628



Tritanopia
38, 8.558, 355.276

Trichromacy



Original Color
38, 45.765, 99.023

Protanomaly
38, 45.619, 96.416

Deuteranomaly
38, 43.210, 89.471

Tritanomaly
38, 18.999, 86.554

Monochromacy



Original Color
38, 45.765, 99.023

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 20.123, 104.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.765, 99.023 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(97, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 91, 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(97, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 91, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.765, 99.023 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(97, 91, 0) }
```

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

```
.border{ border-color:rgb(97, 91, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 91, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 91, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 91, 0); box-shadow:4px  
4px 4px 4px rgb(97, 91, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.765, 99.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 91, 0) }
```

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

```
.background{ background-color: rgb(97, 91,  
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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