

Converting Colors

CIELCh(38, 45.020, 105.531)

Have a look what the booklet for
CIELCh(38, 45.020, 105.531)
contains.

CIELCh(38, 45.336, 105.597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 45.336, 105.597)

Conversions

Conversions Part 1

Format	Color
Hex	5A5E04
RGB	90, 94, 4
RGB Percent	35%, 37%, 2%
CMY	0.6489, 0.6331, 0.9826
CMYK	0.04, 0.00, 0.95, 0.63
HSL	63°, 91%, 19%
HSV	63°, 95%, 37%
XYZ	8.1595, 10.0881, 1.6445
YIQ	82.5440, 26.5060, -28.8380

Conversions

Conversions Part 2

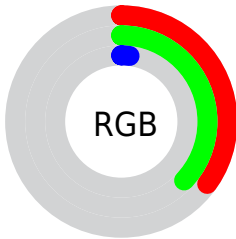
Format	Color
RYB	4, 94, 8
Decimal	5922308
CIELab	38.00, -12.19, 43.67
CIELCh	38, 45.336, 105.597
Yxy	10.0881, 0.4102, 0.5071
Android (android.graphics.Color)	4284112388 (0xFF5A5E04)
YUV	82.5440, -38.7222, 6.5389
Hunter-Lab	31.7617, -9.7268, 19.1635

Details

The CIELCh color **38, 45.336, 105.597** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9, 60.960, 305.700**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 45.649, 105.406**, and **18, 28.021, 113.116** is the 20% darker color. If you saturate the color by 10%, you get **38, 46.621, 105.468**, and if you desaturate by 10%, it is **38, 42.725, 105.850**.

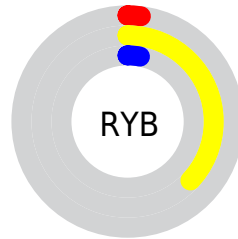
Distribution



Red (35%)

Green (37%)

Blue (2%)



Red (2%)

Yellow (37%)

Blue (3%)

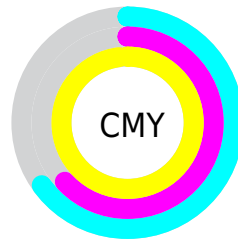


Cyan (4%)

Magenta (0%)

Yellow (95%)

Black (63%)



Cyan (65%)


Magenta (63%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 45.336, 105.597 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, 45.336, 105.597 by changing the saturation by 10% instead.


 38, 45.336,
105.597


 38, 45.336,
105.597

 100, 45.336,
105.597


 28, 45.336,
105.597

 58, 45.336,
105.597


 18, 45.336,
105.597


 68, 45.336,
105.597

 8, 45.336, 105.597

 78, 45.336,
105.597

 0, 45.336, 105.597

 88, 45.336,
105.597

 98, 45.336,
105.597

■ 38, 45.336,
105.597

■ 38, 45.336,
105.597

■ 38, 46.621,
105.468

■ 38, 42.725,
105.850

■ 38, 39.340,
106.248

■ 38, 35.153,
106.806

■ 38, 30.394,
107.480

■ 39, 25.250,
108.232

■ 39, 19.859,
109.034

■ 39, 14.314,
109.861

■ 39, 8.678, 110.695

Harmonies

Complementary

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



38, 45.336, 105.597



9, 60.960, 305.700

Rectangle

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



38, 45.336, 105.597



38, 45.336, 155.597



38, 45.336, 285.597



38, 45.336, 335.597

Sweetspot

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



38, 45.336, 105.599



50, 20.452, 109.473



18, 44.702, 35.300



25, 13.877, 109.240



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



38, 45.336, 105.599



49, 56.379, 105.550



35, 50.769, 127.946



19, 3.140, 111.230



44, 52.121, 105.518



90, 91.885, 105.690

Inverse Universe

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



9, 60.960, 305.700



12, 77.454, 306.505



13, 56.939, 313.369



17, 3.202, 292.732



10, 71.573, 306.534



30, 126.461, 306.385

Previews

White Background



This preview shows how the CIELCh color 38, 45.336, 105.597 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, 45.336, 105.597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

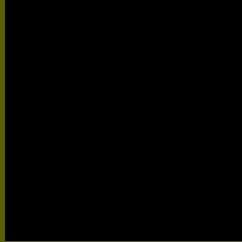
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 45.336, 105.597

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.336, 105.597.



This preview shows how white text looks on a background with the CIELCh color 38, 45.336, 105.597.

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

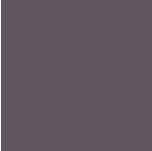
38, 45.615, 105.541

Protanopia

38, 45.686, 95.777

Deuteranopia

38, 41.768, 83.441



Tritanopia
38, 5.756, 331.836

Trichromacy



Original Color
38, 45.615, 105.541

Protanomaly
38, 45.163, 99.066

Deuteranomaly
38, 42.239, 92.176

Tritanomaly
38, 17.203, 99.522

Monochromacy



Original Color
38, 45.615, 105.541

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 19.516, 108.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.336, 105.597 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(90, 94, 4)` looks like.

```
.text, #text, p{  
    color:rgb(90, 94, 4)  
}
```

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(90, 94, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 94, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.336, 105.597 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(90, 94, 4) }
```

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

```
.border{ border-color:rgb(90, 94, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 94, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 94, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 94, 4); box-shadow:4px  
4px 4px 4px rgb(90, 94, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.336, 105.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 94, 4) }
```

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

```
.background{ background-color: rgb(90, 94,  
4) }
```

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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