

Converting Colors

CIELCh(38, 60.788, 44.967)

Have a look what the booklet for
CIELCh(38, 60.788, 44.967) contains.

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Color

CIELCh(38, 60.580, 45.002)

Conversions

Conversions Part 1

Format	Color
Hex	A03513
RGB	160, 53, 19
RGB Percent	63%, 21%, 7%
CMY	0.3721, 0.7917, 0.9251
CMYK	0.00, 0.67, 0.88, 0.37
HSL	14°, 79%, 35%
HSV	14°, 88%, 63%
XYZ	15.9161, 10.0881, 1.7285
YIQ	81.1170, 74.6860, 12.1100

Conversions

Conversions Part 2

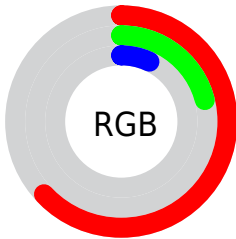
Format	Color
R_{YB}	160, 64, 19
Decimal	10499347
CIE _{Lab}	38.00, 42.84, 42.84
CIE _{LCh}	38, 60.580, 45.002
Yxy	10.0881, 0.5739, 0.3638
Android (android.graphics.Color)	4288689427 (0xFFA03513)
YUV	81.1170, -30.6237, 69.1804
Hunter-Lab	31.7617, 33.8650, 19.0065

Details

The CIELCh color **38, 60.580, 45.002** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **49, 30.459, 239.025**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 60.432, 45.062**, and **19, 49.640, 35.697** is the 20% darker color. If you saturate the color by 10%, you get **36, 67.186, 45.048**, and if you desaturate by 10%, it is **40, 52.899, 44.624**.

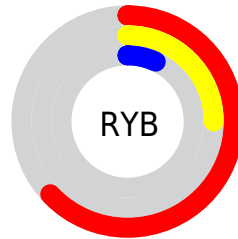
Distribution



Red (63%)

Green (21%)

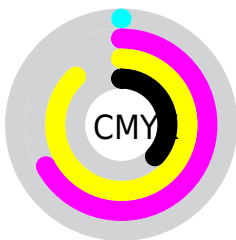
Blue (7%)



Red (63%)

Yellow (25%)

Blue (7%)

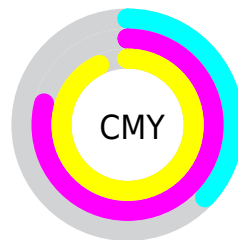


Cyan (0%)

Magenta (67%)

Yellow (88%)

Black (37%)



Cyan (37%)

Magenta (79%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 60.580, 45.002 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, 60.580, 45.002 by changing the saturation by 10% instead.

 38, 60.580, 45.002

 38, 60.580, 45.002

 100, 60.580,
45.002

 28, 60.580, 45.002

 58, 60.580, 45.002

 18, 60.580, 45.002

 68, 60.580, 45.002

 8, 60.580, 45.002

 78, 60.580, 45.002

 0, 60.580, 45.002

 88, 60.580, 45.002

 98, 60.580, 45.002

 38, 60.580, 45.002

 38, 60.580, 45.002

 36, 67.186, 45.048

 40, 52.899, 44.624

36, 68.511, 45.217

43, 44.856, 44.115

46, 36.966, 43.707

49, 29.456, 43.468

52, 22.418, 43.402

56, 15.877, 43.487

59, 9.820, 43.687

63, 4.217, 43.941

67, 0.971, 224.899

Harmonies

Complementary

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



38, 60.580, 45.002



49, 30.459, 239.025

Rectangle

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



38, 60.580, 45.002



38, 60.580, 95.002



38, 60.580, 225.002



38, 60.580, 275.002

Sweetspot

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



38, 60.578, 45.004



72, 18.157, 43.512



37, 66.788, 338.641



36, 12.444, 43.464



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, 60.578, 45.004



47, 84.125, 44.678



54, 55.782, 84.327



32, 2.936, 43.914



32, 62.550, 45.297



2, 3.738, 42.857

Inverse Universe

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



49, 30.459, 239.025



61, 39.106, 244.829



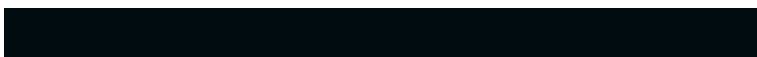
28, 65.829, 295.898



32, 2.783, 224.884



42, 29.293, 243.379



3, 3.682, 228.591

Previews

White Background



This preview shows how the CIELCh color 38, 60.580, 45.002 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, 60.580, 45.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

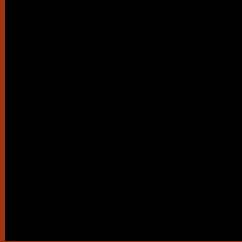
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 60.580, 45.002

Background



This preview shows how black text looks on a background with the CIELCh color 38, 60.580, 45.002.



This preview shows how white text looks on a background with the CIELCh color 38, 60.580, 45.002.

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, 60.580, 45.002

Protanopia

38, 36.472, 96.422

Deuteranopia

38, 46.511, 84.746



Tritanopia
38, 52.114, 28.519

Trichromacy



Original Color
38, 60.580, 45.002

Protanomaly
37, 39.642, 68.823

Deuteranomaly
37, 48.714, 66.111

Tritanomaly
38, 55.060, 35.621

Monochromacy



Original Color
38, 60.580, 45.002

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 21.000, 44.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 60.580, 45.002 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(160, 53, 19)` looks like.

```
.text, #text, p{  
    color:rgb(160, 53, 19)  
}
```

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(160, 53, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 53, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 60.580, 45.002 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(160, 53, 19) }
```

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

```
.border{ border-color:rgb(160, 53, 19) }
```

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

Here you see how a box with a 4 pixel rgb(160, 53, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 53, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 53, 19);  
box-shadow:4px 4px 4px 4px rgb(160, 53,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 60.580, 45.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 53, 19) }
```

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

```
.background{ background-color: rgb(160, 53,  
19) }
```

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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