

Converting Colors

CIELCh(38, 62.004, 45.496)

Have a look what the booklet for
CIELCh(38, 62.004, 45.496) contains.

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Color

CIELCh(38, 62.038, 45.393)

Conversions

Conversions Part 1

Format	Color
Hex	A13410
RGB	161, 52, 16
RGB Percent	63%, 20%, 6%
CMY	0.3683, 0.7957, 0.9369
CMYK	0.00, 0.68, 0.90, 0.37
HSL	15°, 82%, 35%
HSV	15°, 90%, 63%
XYZ	16.0430, 10.0881, 1.5950
YIQ	80.4870, 76.5200, 11.9120

Conversions

Conversions Part 2

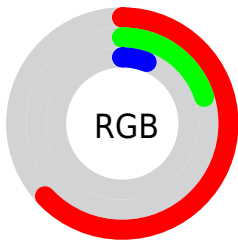
Format	Color
R _Y B	161, 64, 16
Decimal	10564624
CIE Lab	38.00, 43.57, 44.17
CIE LCh	38, 62.038, 45.393
Yxy	10.0881, 0.5786, 0.3638
Android (android.graphics.Color)	4288754704 (0xFFA13410)
YUV	80.4870, -31.7921, 70.6099
Hunter-Lab	31.7617, 34.5782, 19.2558

Details

The CIELCh color **38, 62.038, 45.393** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **49, 31.014, 241.186**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 62.107, 45.109**, and **19, 50.072, 35.830** is the 20% darker color. If you saturate the color by 10%, you get **36, 68.600, 45.487**, and if you desaturate by 10%, it is **40, 54.522, 45.178**.

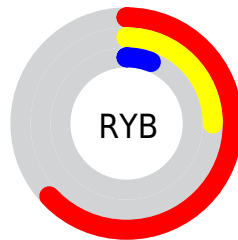
Distribution



Red (63%)

Green (20%)

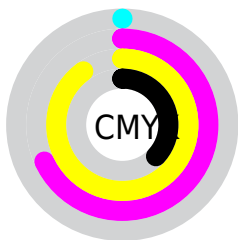
Blue (6%)



Red (63%)

Yellow (25%)

Blue (6%)

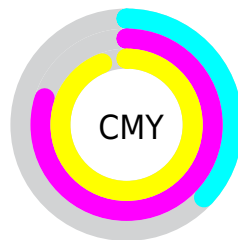


Cyan (0%)

Magenta (68%)

Yellow (90%)

Black (37%)



Cyan (37%)

Magenta (80%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 62.038, 45.393 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, 62.038, 45.393 by changing the saturation by 10% instead.

38, 62.038, 45.393

38, 62.038, 45.393

100, 62.038,
45.393

28, 62.038, 45.393

58, 62.038, 45.393

18, 62.038, 45.393

68, 62.038, 45.393

8, 62.038, 45.393

78, 62.038, 45.393

0, 62.038, 45.393

88, 62.038, 45.393

98, 62.038, 45.393

38, 62.038, 45.393

38, 62.038, 45.393

36, 68.600, 45.487

40, 54.522, 45.178

43, 46.485, 44.745

46, 38.531, 44.375

49, 30.927, 44.158

52, 23.786, 44.110

55, 17.139, 44.212

59, 10.981, 44.432

63, 5.283, 44.722

66, 0.010, 353.449

Harmonies

Complementary

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



38, 62.038, 45.393



49, 31.014, 241.186

Rectangle

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



38, 62.038, 45.393



38, 62.038, 95.393



38, 62.038, 225.393



38, 62.038, 275.393

Sweetspot

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



38, 62.036, 45.395



72, 18.873, 44.257



37, 67.471, 338.871



36, 12.854, 44.201



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, 62.036, 45.395



47, 83.840, 44.945



54, 56.679, 83.977



33, 3.006, 44.743



33, 63.253, 45.602



2, 4.574, 42.401

Inverse Universe

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



49, 31.014, 241.186



61, 39.408, 246.323



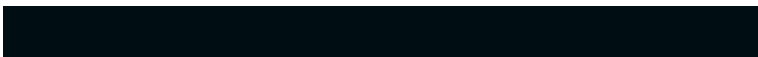
28, 67.755, 296.543



33, 2.850, 225.776



43, 29.891, 244.925



3, 4.479, 231.802

Previews

White Background



This preview shows how the CIELCh color 38, 62.038, 45.393 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, 62.038, 45.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

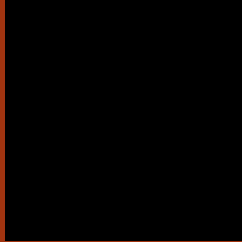
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 62.038, 45.393

Background



This preview shows how black text looks on a background with the CIELCh color 38, 62.038, 45.393.



This preview shows how white text looks on a background with the CIELCh color 38, 62.038, 45.393.

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, 62.038, 45.393

Protanopia

39, 37.449, 95.689

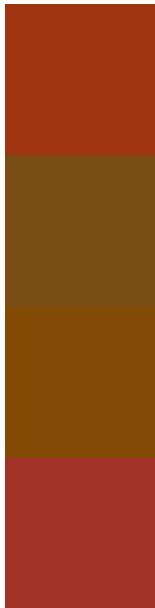
Deuteranopia

38, 46.511, 84.746



Tritanopia
38, 53.048, 28.808

Trichromacy



Original Color
38, 62.038, 45.393

Protanomaly
37, 41.174, 69.139

Deuteranomaly
37, 48.988, 66.280

Tritanomaly
38, 56.324, 36.225

Monochromacy



Original Color
38, 62.038, 45.393

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 21.526, 43.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 62.038, 45.393 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, 52, 16)` looks like.

```
.text, #text, p{  
    color:rgb(161, 52, 16)  
}
```

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, 52, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 52, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 62.038, 45.393 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, 52, 16) }
```

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

```
.border{ border-color:rgb(161, 52, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 52, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 52, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 52, 16);  
box-shadow:4px 4px 4px 4px rgb(161, 52,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 62.038, 45.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 52, 16) }
```

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

```
.background{ background-color: rgb(161, 52,  
16) }
```

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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