

Converting Colors

CIELCh(38, 43.405, 78.875)

Have a look what the booklet for
CIELCh(38, 43.405, 78.875) contains.

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Color

CIELCh(38, 43.254, 78.862)

Conversions

Conversions Part 1

Format	Color
Hex	76530D
RGB	118, 83, 13
RGB Percent	46%, 33%, 5%
CMY	0.5369, 0.6742, 0.9486
CMYK	0.00, 0.30, 0.89, 0.54
HSL	40°, 80%, 26%
HSV	40°, 89%, 46%
XYZ	10.6585, 10.0881, 1.7700
YIQ	85.4850, 43.3300, -14.3500

Conversions

Conversions Part 2

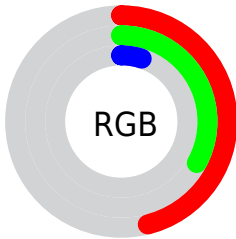
Format	Color
RYB	66, 118, 13
Decimal	7754509
CIELab	38.00, 8.36, 42.44
CIElCh	38, 43.254, 78.862
Yxy	10.0881, 0.4734, 0.4480
Android (android.graphics.Color)	4285944589 (0xFF76530D)
YUV	85.4850, -35.7351, 28.5157
Hunter-Lab	31.7617, 4.3176, 18.9291

Details

The CIELCh color **38, 43.254, 78.862** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22, 46.660, 291.471**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 43.028, 78.489**, and **18, 27.829, 70.351** is the 20% darker color. If you saturate the color by 10%, you get **37, 46.380, 77.011**, and if you desaturate by 10%, it is **39, 39.494, 80.615**.

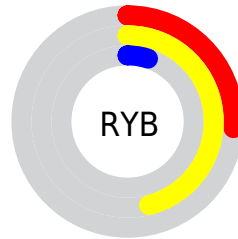
Distribution



Red (46%)

Green (33%)

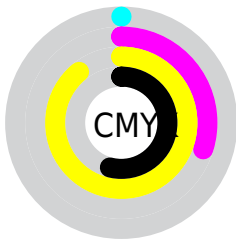
Blue (5%)



Red (26%)

Yellow (46%)

Blue (5%)

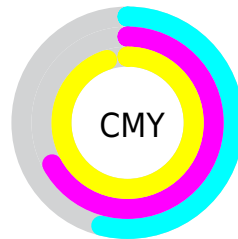


Cyan (0%)

Magenta (30%)

Yellow (89%)

Black (54%)



Cyan (54%)

Magenta (67%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 43.254, 78.862 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, 43.254, 78.862 by changing the saturation by 10% instead.

 38, 43.254, 78.862

 38, 43.254, 78.862

 100, 43.254,
78.862

 28, 43.254, 78.862

 58, 43.254, 78.862

 18, 43.254, 78.862

 68, 43.254, 78.862

 8, 43.254, 78.862

 78, 43.254, 78.862

 0, 43.254, 78.862

 88, 43.254, 78.862

 98, 43.254, 78.862

 38, 43.254, 78.862

 38, 43.254, 78.862

 37, 46.380, 77.011

 39, 39.494, 80.615

37, 46.776, 76.834

40, 34.929, 82.162

42, 29.941, 83.596

43, 24.777, 84.966

44, 19.576, 86.293

46, 14.416, 87.581

47, 9.334, 88.831

48, 4.346, 90.028

50, 0.541, 271.545

Harmonies

Complementary

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



38, 43.254, 78.862



22, 46.660, 291.471

Rectangle

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



38, 43.254, 78.862



38, 43.254, 128.862



38, 43.254, 258.862



38, 43.254, 308.862

Sweetspot

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



38, 43.253, 78.865



58, 16.632, 87.736



25, 45.343, 9.421



29, 11.168, 87.408



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



38, 43.253, 78.865



47, 56.385, 76.084



47, 52.778, 111.345



24, 2.735, 90.012



38, 47.984, 76.721



75, 81.257, 75.040

Inverse Universe

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



22, 46.660, 291.471



26, 65.767, 296.046



15, 68.505, 306.062



23, 2.736, 272.265



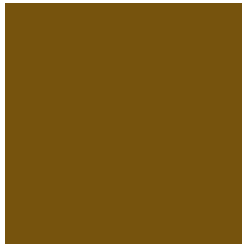
20, 54.711, 295.248



43, 98.212, 297.274

Previews

White Background



This preview shows how the CIELCh color 38, 43.254, 78.862 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 CIE LCh color 38, 43.254, 78.862 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, 43.254, 78.862

Background



This preview shows how black text looks on a background with the CIELCh color 38, 43.254, 78.862.



This preview shows how white text looks on a background with the CIELCh color 38, 43.254, 78.862.

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, 43.254, 78.862

Protanopia

38, 41.297, 95.753

Deuteranopia

38, 43.205, 83.166



Tritanopia
38, 20.364, 12.471

Trichromacy



Original Color
38, 43.254, 78.862

Protanomaly
38, 41.457, 89.202

Deuteranomaly
38, 42.979, 81.624

Tritanomaly
38, 24.741, 52.342

Monochromacy



Original Color
38, 43.254, 78.862

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 17.181, 86.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 43.254, 78.862 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(118, 83, 13)` looks like.

```
.text, #text, p{  
    color:rgb(118, 83, 13)  
}
```

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(118, 83, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 83, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 43.254, 78.862 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(118, 83, 13) }
```

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

```
.border{ border-color:rgb(118, 83, 13) }
```

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

Here you see how a box with a 4 pixel rgb(118, 83, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 83, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 83, 13);  
box-shadow:4px 4px 4px 4px rgb(118, 83,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 43.254, 78.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 83, 13) }
```

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

```
.background{ background-color: rgb(118, 83,  
13) }
```

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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