

Converting Colors

CIELCh(38, 38.317, 98.819)

Have a look what the booklet for
CIELCh(38, 38.317, 98.819) contains.

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Color

CIELCh(38, 38.447, 98.730)

Conversions

Conversions Part 1

Format	Color
Hex	625B17
RGB	98, 91, 23
RGB Percent	38%, 36%, 9%
CMY	0.6166, 0.6440, 0.9107
CMYK	0.00, 0.07, 0.77, 0.62
HSL	54°, 62%, 24%
HSV	54°, 77%, 38%
XYZ	8.8852, 10.0881, 2.2770
YIQ	85.3410, 26.0000, -19.6640

Conversions

Conversions Part 2

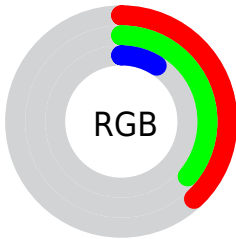
Format	Color
RYB	31, 98, 23
Decimal	6445847
CIELab	38.00, -5.84, 38.00
CIELCh	38, 38.447, 98.730
Yxy	10.0881, 0.4181, 0.4747
Android (android.graphics.Color)	4284635927 (0xFF625B17)
YUV	85.3410, -30.7341, 11.1019
Hunter-Lab	31.7617, -5.6486, 17.9826

Details

The CIELCh color **38, 38.447, 98.730** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 47.049, 299.134**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 38.741, 98.887**, and **18, 26.651, 100.434** is the 20% darker color. If you saturate the color by 10%, you get **38, 41.680, 97.916**, and if you desaturate by 10%, it is **38, 34.389, 99.617**.

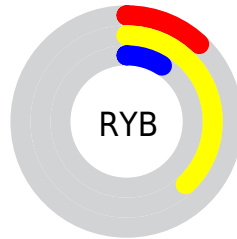
Distribution



Red (38%)

Green (36%)

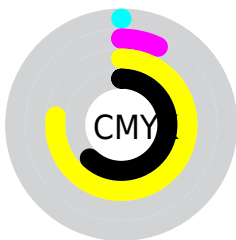
Blue (9%)



Red (12%)

Yellow (38%)

Blue (9%)

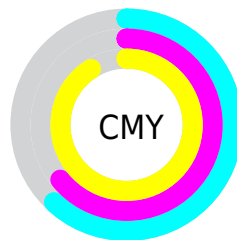


Cyan (0%)

Magenta (7%)

Yellow (77%)

Black (62%)



Cyan (62%)

Magenta (64%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 38.447, 98.730 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, 38.447, 98.730 by changing the saturation by 10% instead.

■ 38, 38.447, 98.730

■ 38, 38.447, 98.730

■ 100, 38.447,
98.730

■ 28, 38.447, 98.730

■ 58, 38.447, 98.730

■ 18, 38.447, 98.730

■ 68, 38.447, 98.730

■ 8, 38.447, 98.730

■ 78, 38.447, 98.730

■ 0, 38.447, 98.730

■ 88, 38.447, 98.730

■ 98, 38.447, 98.730

■ 38, 38.447, 98.730

■ 38, 38.447, 98.730

■ 38, 41.680, 97.916

■ 38, 34.389, 99.617

■ 37, 44.204, 97.161

■ 39, 29.772,
100.554

■ 37, 45.101, 96.919

■ 39, 24.803,
101.527

■ 40, 19.625,
102.520

■ 40, 14.329,
103.518

■ 41, 8.976, 104.509

■ 41, 3.602, 105.478

■ 42, 1.770, 286.485

■ 42, 7.124, 287.385

Harmonies

Complementary

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



38, 38.447, 98.730



15, 47.049, 299.134

Rectangle

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



38, 38.447, 98.730



38, 38.447, 148.730



38, 38.447, 278.730



38, 38.447, 328.730

Sweetspot

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



38, 38.447, 98.733



52, 15.358, 103.819



21, 37.145, 24.119



26, 10.532, 103.565



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, 38.447, 98.733



49, 52.535, 97.311



38, 43.880, 122.590



20, 2.989, 105.273



43, 49.658, 96.813



86, 86.491, 96.399

Inverse Universe

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



15, 47.049, 299.134



16, 70.389, 303.213



17, 50.595, 309.877



18, 3.037, 287.052



12, 68.037, 304.295



31, 123.287, 305.316

Previews

White Background



This preview shows how the CIELCh color 38, 38.447, 98.730 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, 38.447, 98.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

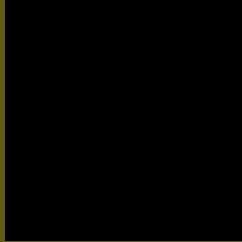
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 38.447, 98.730

Background



This preview shows how black text looks on a background with the CIELCh color 38, 38.447, 98.730.



This preview shows how white text looks on a background with the CIELCh color 38, 38.447, 98.730.

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, 38.447, 98.730

Protanopia

38, 38.292, 95.662

Deuteranopia

38, 37.720, 82.838



Tritanopia
38, 8.558, 355.276

Trichromacy



Original Color
38, 38.447, 98.730

Protanomaly
38, 38.210, 96.414

Deuteranomaly
38, 37.680, 88.472

Tritanomaly
38, 14.504, 81.159

Monochromacy



Original Color
38, 38.447, 98.730

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 15.359, 102.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 38.447, 98.730 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(98, 91, 23)` looks like.

```
.text, #text, p{  
    color:rgb(98, 91, 23)  
}
```

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(98, 91, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 91, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 38.447, 98.730 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(98, 91, 23) }
```

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

```
.border{ border-color:rgb(98, 91, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 91, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 91, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 91, 23);  
box-shadow:4px 4px 4px 4px rgb(98, 91, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 38.447, 98.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 91, 23) }
```

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

```
.background{ background-color: rgb(98, 91,  
23) }
```

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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