

Converting Colors

CIELCh(38, 47.556, 76.378)

Have a look what the booklet for
CIELCh(38, 47.556, 76.378) contains.

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Color

CIELCh(38, 47.556, 76.378)

Conversions

Conversions Part 1

Format	Color
Hex	7A5101
RGB	122, 81, 1
RGB Percent	48%, 32%, 0%
CMY	0.5203, 0.6813, 0.9949
CMYK	0.00, 0.34, 0.99, 0.52
HSL	40°, 98%, 24%
HSV	40°, 99%, 48%
XYZ	11.0402, 10.0881, 1.4027
YIQ	84.1390, 50.1160, -16.1880

Conversions

Conversions Part 2

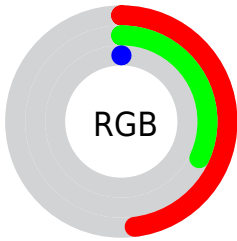
Format	Color
RYB	63, 122, 1
Decimal	8016129
CIELab	38.00, 11.20, 46.22
CIELCh	38, 47.556, 76.378
Yxy	10.0881, 0.4900, 0.4477
Android (android.graphics.Color)	4286206209 (0xFF7A5101)
YUV	84.1390, -40.9875, 33.2041
Hunter-Lab	31.7617, 6.4628, 19.6147

Details

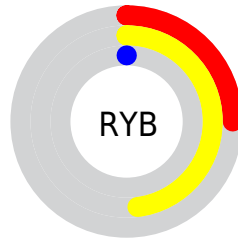
The CIELCh color **38, 47.556, 76.378** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **20, 53.541, 294.586**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 47.554, 76.133**, and **18, 28.971, 66.397** is the 20% darker color. If you saturate the color by 10%, you get **38, 47.938, 76.203**, and if you desaturate by 10%, it is **39, 44.408, 78.291**.

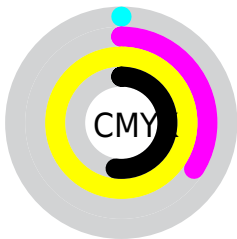
Distribution



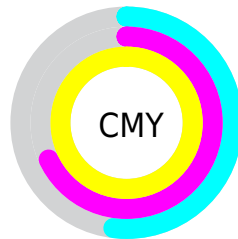
- Red (48%)
- Green (32%)
- Blue (0%)



- Red (25%)
- Yellow (48%)
- Blue (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (99%)
- Black (52%)



- Cyan (52%)
- Magenta (68%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 47.556, 76.378 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, 47.556, 76.378 by changing the saturation by 10% instead.

■ 38, 47.556, 76.378

■ 38, 47.556, 76.378

■ 100, 47.556,
76.378

■ 28, 47.556, 76.378

■ 58, 47.556, 76.378

■ 18, 47.556, 76.378

■ 68, 47.556, 76.378

■ 8, 47.556, 76.378

■ 78, 47.556, 76.378

■ 0, 47.556, 76.378

■ 88, 47.556, 76.378

■ 98, 47.556, 76.378

■ 38, 47.556, 76.378

■ 38, 47.556, 76.378

■ 38, 47.938, 76.203

■ 39, 44.408, 78.291

■ 40, 40.551, 80.071

■ 42, 35.857, 81.635

■ 43, 30.727, 83.082

■ 44, 25.419, 84.462

■ 46, 20.079, 85.797

■ 47, 14.784, 87.094

■ 49, 9.575, 88.352

■ 50, 4.467, 89.557

Harmonies

Complementary

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



38, 47.556, 76.378



20, 53.541, 294.586

Rectangle

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



38, 47.556, 76.378



38, 47.556, 126.378



38, 47.556, 256.378



38, 47.556, 306.378

Sweetspot

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



38, 47.555, 76.381



60, 18.946, 86.866



25, 49.231, 13.877



30, 12.896, 86.431



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 47.555, 76.381



49, 57.735, 75.467



48, 56.792, 111.573



25, 2.819, 89.541



39, 48.675, 76.136



75, 81.872, 74.473

Inverse Universe

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



20, 53.541, 294.586



27, 66.947, 295.822



13, 76.071, 306.970



24, 2.818, 271.819



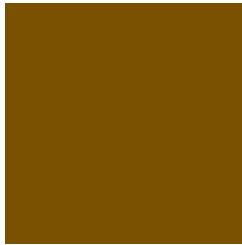
21, 55.142, 294.993



44, 98.133, 296.980

Previews

White Background



This preview shows how the CIELCh color 38, 47.556, 76.378 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, 47.556, 76.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

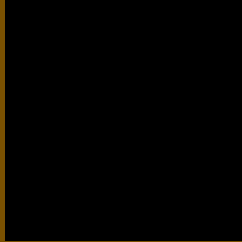
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 47.556, 76.378

Background



This preview shows how black text looks on a background with the CIELCh color 38, 47.556, 76.378.



This preview shows how white text looks on a background with the CIELCh color 38, 47.556, 76.378.

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, 47.556, 76.378

Protanopia

38, 43.435, 95.109

Deuteranopia

38, 46.377, 83.987



Tritanopia
38, 22.659, 15.479

Trichromacy



Original Color
38, 47.556, 76.378

Protanomaly
38, 44.070, 88.260

Deuteranomaly
38, 46.870, 81.487

Tritanomaly
38, 28.971, 54.251

Monochromacy



Original Color
38, 47.556, 76.378

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 19.346, 85.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 47.556, 76.378 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(122, 81, 1)` looks like.

```
.text, #text, p{  
    color:rgb(122, 81, 1)  
}
```

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(122, 81, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 81, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 47.556, 76.378 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(122, 81, 1) }
```

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

```
.border{ border-color:rgb(122, 81, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 81, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 81, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 81, 1);  
box-shadow:4px 4px 4px 4px rgb(122, 81, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 47.556, 76.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 81, 1) }
```

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

```
.background{ background-color: rgb(122, 81,  
1) }
```

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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