

Converting Colors

CIELCh(45, 38.297, 69.477)

Have a look what the booklet for
CIELCh(45, 38.297, 69.477) contains.

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Color

CIELCh(45, 38.297, 69.477)

Conversions

Conversions Part 1

Format	Color
Hex	8F612E
RGB	143, 97, 46
RGB Percent	56%, 38%, 18%
CMY	0.4399, 0.6202, 0.8202
CMYK	0.00, 0.32, 0.68, 0.44
HSL	32°, 51%, 37%
HSV	32°, 68%, 56%
XYZ	16.0488, 14.5417, 4.5309
YIQ	104.9400, 43.7870, -6.1090

Conversions

Conversions Part 2

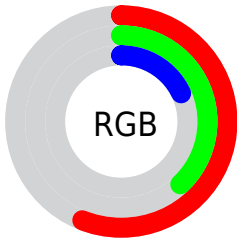
Format	Color
RYB	133, 143, 46
Decimal	9396526
CIELab	45.00, 13.43, 35.87
CIELCh	45, 38.297, 69.477
Yxy	14.5417, 0.4570, 0.4140
Android (android.graphics.Color)	4287586606 (0xFF8F612E)
YUV	104.9400, -29.0574, 33.3786
Hunter-Lab	38.1336, 8.3890, 19.6489

Details

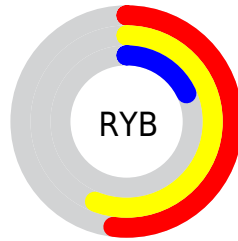
The CIELCh color **45, 38.297, 69.477** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **38, 32.862, 272.805**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 38.395, 69.719**, and **25, 37.551, 69.203** is the 20% darker color. If you saturate the color by 10%, you get **43, 44.173, 67.964**, and if you desaturate by 10%, it is **47, 32.218, 70.858**.

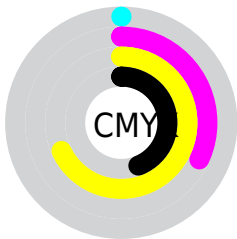
Distribution



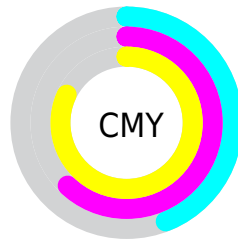
- Red (56%)
- Green (38%)
- Blue (18%)



- Red (52%)
- Yellow (56%)
- Blue (18%)



- Cyan (0%)
- Magenta (32%)
- Yellow (68%)
- Black (44%)





















- Cyan (44%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 38.297, 69.477 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 45, 38.297, 69.477 by changing the saturation by 10% instead.

 45, 38.297, 69.477	 45, 38.297, 69.477
 100, 38.297, 69.477	 35, 38.297, 69.477
 65, 38.297, 69.477	 25, 38.297, 69.477
 75, 38.297, 69.477	 15, 38.297, 69.477
 85, 38.297, 69.477	 5, 38.297, 69.477
 95, 38.297, 69.477	 0, 38.297, 69.477

 45, 38.297, 69.477	 45, 38.297, 69.477
 43, 44.173, 67.964	 47, 32.218, 70.858
 41, 49.397, 66.147	 49, 26.182, 72.174

■ 40, 53.654, 63.969

■ 51, 20.306, 73.460

■ 39, 54.636, 63.596

■ 53, 14.641, 74.725

■ 55, 9.198, 75.966

■ 58, 3.973, 77.155

■ 60, 1.048, 258.680

■ 62, 5.882, 259.631

■ 64, 10.548,
260.736

Harmonies

Complementary

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



45, 38.297, 69.477



38, 32.862, 272.805

Rectangle

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



45, 38.297, 69.477



45, 38.297, 119.477



45, 38.297, 249.477



45, 38.297, 299.477

Sweetspot

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



45, 38.296, 69.481



70, 12.829, 75.655



35, 45.563, 352.975



36, 8.868, 75.343



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 38.296, 69.481



55, 56.901, 67.139



58, 50.906, 105.035



29, 2.849, 77.008



37, 52.446, 63.800



1, 1.897, 78.165

Inverse Universe

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



38, 32.862, 272.805



45, 48.468, 278.402



25, 62.449, 301.207



29, 2.802, 259.401



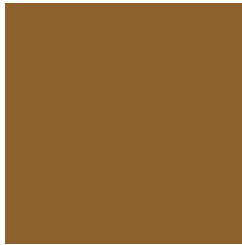
28, 46.207, 285.285



1, 1.897, 258.177

Previews

White Background



This preview shows how the CIELCh color 45, 38.297, 69.477 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 45, 38.297, 69.477 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 45, 38.297, 69.477

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.297, 69.477.



This preview shows how white text looks on a background with the CIELCh color 45, 38.297, 69.477.

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

45, 38.297, 69.477

Protanopia

45, 33.861, 95.554

Deuteranopia

45, 36.664, 80.846



Tritanopia
45, 24.169, 13.158

Trichromacy



Original Color
45, 38.297, 69.477

Protanomaly
45, 34.363, 84.748

Deuteranomaly
45, 37.304, 76.267

Tritanomaly
45, 25.819, 40.698

Monochromacy



Original Color
45, 38.297, 69.477

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.740, 74.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.297, 69.477 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(143, 97, 46)` looks like.

```
.text, #text, p{  
    color:rgb(143, 97, 46)  
}
```

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(143, 97, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 97, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.297, 69.477 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(143, 97, 46) }
```

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

```
.border{ border-color:rgb(143, 97, 46) }
```

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

Here you see how a box with a 4 pixel rgb(143, 97, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 97, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 97, 46);  
box-shadow:4px 4px 4px 4px rgb(143, 97,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.297, 69.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 97, 46) }
```

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

```
.background{ background-color: rgb(143, 97,  
46) }
```

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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