

Converting Colors

CIELCh(42, 49.857, 76.867)

Have a look what the booklet for
CIELCh(42, 49.857, 76.867) contains.

CIELCh(42, 49.985, 77.158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 49.985, 77.158)

Conversions

Conversions Part 1

Format	Color
Hex	865B05
RGB	134, 91, 5
RGB Percent	53%, 36%, 2%
CMY	0.4756, 0.6440, 0.9816
CMYK	0.00, 0.32, 0.96, 0.48
HSL	40°, 93%, 27%
HSV	40°, 96%, 52%
XYZ	13.5362, 12.5000, 1.8338
YIQ	94.0530, 53.2340, -17.6300

Conversions

Conversions Part 2

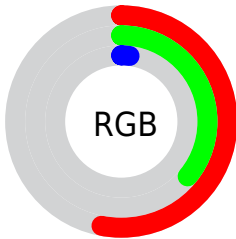
Format	Color
RYB	70, 134, 5
Decimal	8805125
CIELab	42.00, 11.11, 48.73
CIELCh	42, 49.985, 77.158
Yxy	12.5000, 0.4857, 0.4485
Android (android.graphics.Color)	4286995205 (0xFF865B05)
YUV	94.0530, -43.9031, 35.0335
Hunter-Lab	35.3553, 6.4691, 21.6736

Details

The CIELCh color **42, 49.985, 77.158** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **23, 56.662, 294.526**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 49.906, 77.417**, and **22, 33.688, 68.974** is the 20% darker color. If you saturate the color by 10%, you get **42, 51.136, 76.510**, and if you desaturate by 10%, it is **43, 46.837, 79.165**.

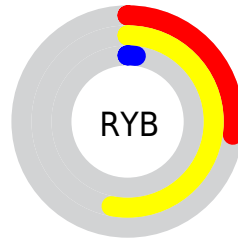
Distribution



Red (53%)

Green (36%)

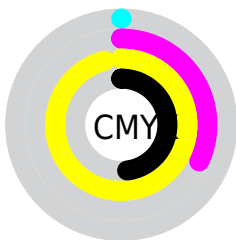
Blue (2%)



Red (27%)

Yellow (53%)

Blue (2%)

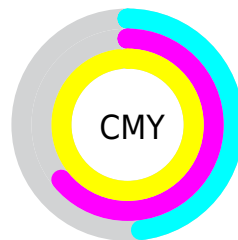


Cyan (0%)

Magenta (32%)

Yellow (96%)

Black (48%)



Cyan (48%)

Magenta (64%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 49.985, 77.158 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 42, 49.985, 77.158 by changing the saturation by 10% instead.

■ 42, 49.985, 77.158

■ 42, 49.985, 77.158

■ 100, 49.985,
77.158

■ 32, 49.985, 77.158

■ 62, 49.985, 77.158

■ 22, 49.985, 77.158

■ 72, 49.985, 77.158

■ 12, 49.985, 77.158

■ 82, 49.985, 77.158

■ 2, 49.985, 77.158

■ 92, 49.985, 77.158

■ 0, 49.985, 77.158

■ 42, 49.985, 77.158

■ 42, 49.985, 77.158

■ 42, 51.136, 76.510

■ 43, 46.837, 79.165

■ 45, 42.525, 80.900

■ 46, 37.378, 82.443

■ 47, 31.809, 83.882

■ 49, 26.074, 85.260

■ 50, 20.317, 86.595

■ 52, 14.616, 87.892

■ 53, 9.007, 89.148

■ 55, 3.507, 90.340

Harmonies

Complementary

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



42, 49.985, 77.158



23, 56.662, 294.526

Rectangle

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



42, 49.985, 77.158



42, 49.985, 127.158



42, 49.985, 257.158



42, 49.985, 307.158

Sweetspot

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



42, 49.984, 77.161



65, 19.839, 87.488



28, 52.126, 14.840



33, 13.600, 87.016



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



42, 49.984, 77.161



53, 61.819, 75.832



52, 60.178, 112.487



27, 3.033, 90.038



40, 50.118, 76.592



0, 0.722, 91.158

Inverse Universe

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



23, 56.662, 294.526



29, 72.953, 296.455



16, 79.717, 306.854



26, 3.034, 272.340



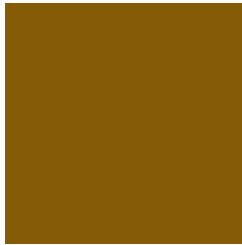
21, 57.580, 295.518



0, 0.722, 271.165

Previews

White Background



This preview shows how the CIELCh color 42, 49.985, 77.158 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 42, 49.985, 77.158 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 42, 49.985, 77.158

Background



This preview shows how black text looks on a background with the CIELCh color 42, 49.985, 77.158.



This preview shows how white text looks on a background with the CIELCh color 42, 49.985, 77.158.

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

42, 49.985, 77.158

Protanopia

42, 46.648, 95.813

Deuteranopia

42, 49.788, 83.790



Tritanopia
42, 24.044, 13.184

Trichromacy



Original Color
42, 49.985, 77.158

Protanomaly
42, 47.238, 88.932

Deuteranomaly
42, 49.747, 81.361

Tritanomaly
42, 29.606, 52.997

Monochromacy



Original Color
42, 49.985, 77.158

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 20.082, 86.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 49.985, 77.158 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(134, 91, 5)` looks like.

```
.text, #text, p{  
    color:rgb(134, 91, 5)  
}
```

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(134, 91, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 91, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 49.985, 77.158 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(134, 91, 5) }
```

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

```
.border{ border-color:rgb(134, 91, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 91, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 91, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 91, 5);  
box-shadow:4px 4px 4px 4px rgb(134, 91, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 49.985, 77.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 91, 5) }
```

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

```
.background{ background-color: rgb(134, 91,  
5) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor