

Converting Colors

CIELCh(42, 48.066, 74.216)

Have a look what the booklet for
CIELCh(42, 48.066, 74.216) contains.

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Color

CIELCh(42, 48.217, 74.560)

Conversions

Conversions Part 1

Format	Color
Hex	885A0E
RGB	136, 90, 14
RGB Percent	53%, 35%, 5%
CMY	0.4680, 0.6482, 0.9466
CMYK	0.00, 0.34, 0.90, 0.47
HSL	37°, 82%, 29%
HSV	37°, 90%, 53%
XYZ	13.8066, 12.5000, 2.0869
YIQ	95.0900, 51.8120, -13.8840

Conversions

Conversions Part 2

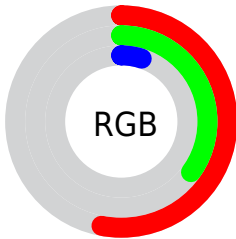
Format	Color
R_{YB}	88, 136, 14
Decimal	8935950
CIE _{Lab}	42.00, 12.84, 46.48
CIE _{LCh}	42, 48.217, 74.560
Yxy	12.5000, 0.4863, 0.4402
Android (android.graphics.Color)	4287126030 (0xFF885A0E)
YUV	95.0900, -39.9774, 35.8781
Hunter-Lab	35.3553, 7.8341, 21.2491

Details

The CIELCh color **42, 48.217, 74.560** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **27, 49.404, 289.389**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 48.366, 74.374**, and **22, 34.443, 66.490** is the 20% darker color. If you saturate the color by 10%, you get **41, 51.617, 72.469**, and if you desaturate by 10%, it is **43, 44.041, 76.492**.

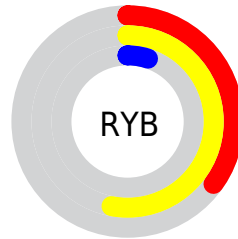
Distribution



Red (53%)

Green (35%)

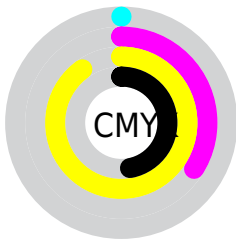
Blue (5%)



Red (35%)

Yellow (53%)

Blue (5%)

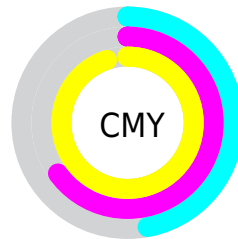


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (47%)



Cyan (47%)

Magenta (65%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 48.217, 74.560 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, 48.217, 74.560 by changing the saturation by 10% instead.

 42, 48.217, 74.560	 42, 48.217, 74.560
 100, 48.217, 74.560	 32, 48.217, 74.560
 62, 48.217, 74.560	 22, 48.217, 74.560
 72, 48.217, 74.560	 12, 48.217, 74.560
 82, 48.217, 74.560	 2, 48.217, 74.560
 92, 48.217, 74.560	 0, 48.217, 74.560
 42, 48.217, 74.560	 42, 48.217, 74.560
 41, 51.617, 72.469	 43, 44.041, 76.492
 41, 51.631, 72.462	 45, 38.925, 78.139

■ 46, 33.345, 79.636

■ 48, 27.598, 81.052

■ 50, 21.851, 82.418

■ 51, 16.187, 83.745

■ 53, 10.646, 85.033

■ 55, 5.241, 86.270

■ 57, 0.026, 275.452

Harmonies

Complementary

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



42, 48.217, 74.560



27, 49.404, 289.389

Rectangle

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



42, 48.217, 74.560



42, 48.217, 124.560



42, 48.217, 254.560



42, 48.217, 304.560

Sweetspot

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



42, 48.216, 74.563



66, 17.983, 84.054



29, 50.664, 7.465



34, 12.258, 83.673



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



42, 48.216, 74.563



52, 62.510, 71.708



54, 58.727, 109.602



28, 3.001, 86.365



40, 50.783, 72.537



1, 1.382, 87.516

Inverse Universe

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



27, 49.404, 289.389



32, 68.688, 293.861



17, 77.402, 305.906



27, 2.988, 268.733



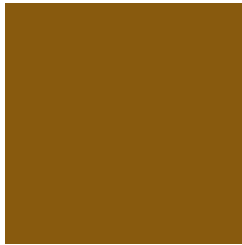
24, 54.421, 292.881



0, 1.382, 267.525

Previews

White Background



This preview shows how the CIELCh color 42, 48.217, 74.560 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, 48.217, 74.560 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, 48.217, 74.560

Background



This preview shows how black text looks on a background with the CIELCh color 42, 48.217, 74.560.



This preview shows how white text looks on a background with the CIELCh color 42, 48.217, 74.560.

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, 48.217, 74.560

Protanopia

42, 44.694, 95.794

Deuteranopia

42, 47.730, 83.306



Tritanopia
42, 24.967, 13.735

Trichromacy



Original Color
42, 48.217, 74.560

Protanomaly
42, 45.037, 87.243

Deuteranomaly
42, 47.865, 79.509

Tritanomaly
42, 29.810, 49.236

Monochromacy



Original Color
42, 48.217, 74.560

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 18.817, 82.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 48.217, 74.560 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(136, 90, 14)` looks like.

```
.text, #text, p{  
    color:rgb(136, 90, 14)  
}
```

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(136, 90, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 90, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 48.217, 74.560 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(136, 90, 14) }
```

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

```
.border{ border-color:rgb(136, 90, 14) }
```

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

Here you see how a box with a 4 pixel rgb(136, 90, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 90, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 90, 14);  
box-shadow:4px 4px 4px 4px rgb(136, 90,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 48.217, 74.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 90, 14) }
```

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

```
.background{ background-color: rgb(136, 90,  
14) }
```

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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