

Converting Colors

CIELCh(42, 51.765, 72.161)

Have a look what the booklet for
CIELCh(42, 51.765, 72.161) contains.

CIELCh(42, 51.793, 72.385)	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, 51.793, 72.385)

Conversions

Conversions Part 1

Format	Color
Hex	8C5804
RGB	140, 88, 4
RGB Percent	55%, 35%, 2%
CMY	0.4521, 0.6558, 0.9855
CMYK	0.00, 0.37, 0.97, 0.45
HSL	37°, 95%, 28%
HSV	37°, 97%, 55%
XYZ	14.2585, 12.5000, 1.7670
YIQ	93.9720, 57.9560, -15.1000

Conversions

Conversions Part 2

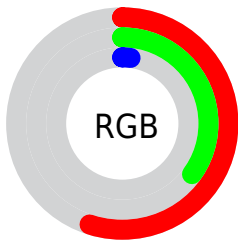
Format	Color
RYB	88, 140, 4
Decimal	9197572
CIELab	42.00, 15.67, 49.36
CIELCh	42, 51.793, 72.385
Yxy	12.5000, 0.4999, 0.4382
Android (android.graphics.Color)	4287387652 (0xFF8C5804)
YUV	93.9720, -44.3562, 40.3666
Hunter-Lab	35.3553, 10.1156, 21.7855

Details

The CIELCh color **42, 51.793, 72.385** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **26, 54.663, 291.827**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 51.825, 72.590**, and **22, 35.723, 62.522** is the 20% darker color. If you saturate the color by 10%, you get **42, 52.768, 71.871**, and if you desaturate by 10%, it is **43, 48.332, 74.567**.

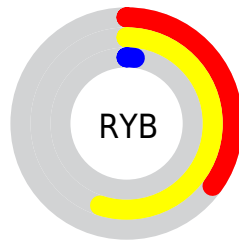
Distribution



Red (55%)

Green (35%)

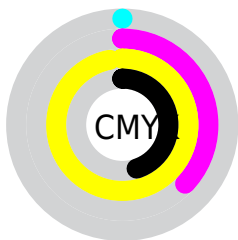
Blue (2%)



Red (35%)

Yellow (55%)

Blue (2%)

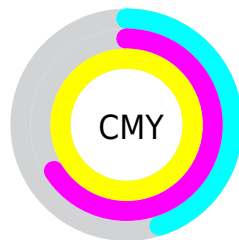


Cyan (0%)

Magenta (37%)

Yellow (97%)

Black (45%)



Cyan (45%)

Magenta (66%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 51.793, 72.385 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, 51.793, 72.385 by changing the saturation by 10% instead.

■ 42, 51.793, 72.385

■ 42, 51.793, 72.385

■ 100, 51.793,
72.385

■ 32, 51.793, 72.385

■ 62, 51.793, 72.385

■ 22, 51.793, 72.385

■ 72, 51.793, 72.385

■ 12, 51.793, 72.385

■ 82, 51.793, 72.385

■ 2, 51.793, 72.385

■ 92, 51.793, 72.385

■ 0, 51.793, 72.385

■ 42, 51.793, 72.385

■ 42, 51.793, 72.385

■ 42, 52.768, 71.871

■ 43, 48.332, 74.567

■ 45, 43.741, 76.424

■ 46, 38.330, 78.031

■ 48, 32.543, 79.508

■ 50, 26.648, 80.913

■ 51, 20.785, 82.273

■ 53, 15.028, 83.595

■ 55, 9.407, 84.876

■ 57, 3.932, 86.096

Harmonies

Complementary

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



42, 51.793, 72.385



26, 54.663, 291.827

Rectangle

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



42, 51.793, 72.385



42, 51.793, 122.385



42, 51.793, 252.385



42, 51.793, 302.385

Sweetspot

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



42, 51.792, 72.388



67, 19.739, 83.300



29, 53.564, 10.823



35, 13.718, 82.800



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 51.792, 72.388



53, 63.883, 71.128



55, 61.868, 109.749



28, 2.986, 85.887



40, 50.798, 72.041



1, 1.374, 87.040

Inverse Universe

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



26, 54.663, 291.827



33, 69.659, 293.590



16, 83.325, 306.533



27, 2.971, 268.260



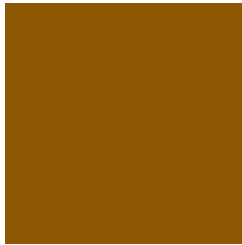
24, 53.913, 292.516



0, 1.375, 267.049

Previews

White Background



This preview shows how the CIELCh color 42, 51.793, 72.385 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, 51.793, 72.385 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, 51.793, 72.385

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.793, 72.385.



This preview shows how white text looks on a background with the CIELCh color 42, 51.793, 72.385.

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, 51.793, 72.385

Protanopia

42, 46.404, 95.812

Deuteranopia

42, 49.917, 84.486



Tritanopia
42, 27.244, 16.190

Trichromacy



Original Color
42, 51.793, 72.385

Protanomaly
42, 47.342, 87.043

Deuteranomaly
42, 50.361, 79.701

Tritanomaly
42, 33.569, 50.521

Monochromacy



Original Color
42, 51.793, 72.385

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 20.937, 81.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.793, 72.385 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(140, 88, 4)` looks like.

```
.text, #text, p{  
    color:rgb(140, 88, 4)  
}
```

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(140, 88, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 88, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.793, 72.385 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(140, 88, 4) }
```

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

```
.border{ border-color:rgb(140, 88, 4) }
```

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

Here you see how a box with a 4 pixel rgb(140, 88, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 88, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 88, 4);  
box-shadow:4px 4px 4px 4px rgb(140, 88, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.793, 72.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 88, 4) }
```

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

```
.background{ background-color: rgb(140, 88,  
4) }
```

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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