

Converting Colors

CIELCh(42, 47.019, 75.319)

Have a look what the booklet for
CIELCh(42, 47.019, 75.319) contains.

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Color

CIELCh(42, 46.779, 75.168)

Conversions

Conversions Part 1

Format	Color
Hex	865A11
RGB	134, 90, 17
RGB Percent	53%, 35%, 7%
CMY	0.4732, 0.6459, 0.9319
CMYK	0.00, 0.33, 0.87, 0.47
HSL	37°, 77%, 30%
HSV	37°, 87%, 53%
XYZ	13.6712, 12.5000, 2.2373
YIQ	94.8340, 49.6570, -13.3750

Conversions

Conversions Part 2

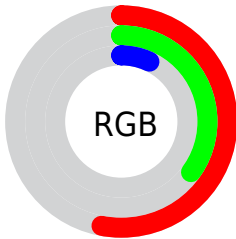
Format	Color
RYB	88, 134, 17
Decimal	8804881
CIELab	42.00, 11.97, 45.22
CIELCh	42, 46.779, 75.168
Yxy	12.5000, 0.4812, 0.4400
Android (android.graphics.Color)	4286994961 (0xFF865A11)
YUV	94.8340, -38.3722, 34.3486
Hunter-Lab	35.3553, 7.1505, 20.9968

Details

The CIELCh color **42, 46.779, 75.168** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **27, 47.301, 288.276**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 46.692, 75.290**, and **22, 33.655, 67.778** is the 20% darker color. If you saturate the color by 10%, you get **41, 50.191, 73.043**, and if you desaturate by 10%, it is **43, 42.300, 76.996**.

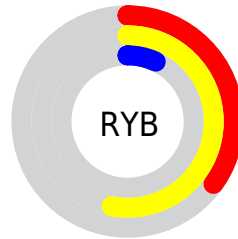
Distribution



Red (53%)

Green (35%)

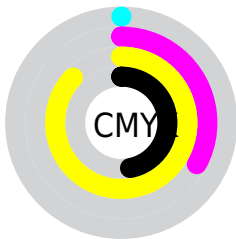
Blue (7%)



Red (35%)

Yellow (53%)

Blue (7%)

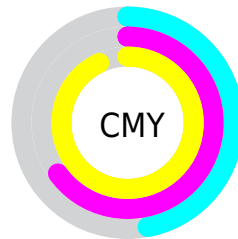


Cyan (0%)

Magenta (33%)

Yellow (87%)

Black (47%)



Cyan (47%)

Magenta (65%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 46.779, 75.168 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, 46.779, 75.168 by changing the saturation by 10% instead.

■ 42, 46.779, 75.168

■ 42, 46.779, 75.168

■ 100, 46.779,
75.168

■ 32, 46.779, 75.168

■ 62, 46.779, 75.168

■ 22, 46.779, 75.168

■ 72, 46.779, 75.168

■ 12, 46.779, 75.168

■ 82, 46.779, 75.168

■ 2, 46.779, 75.168

■ 92, 46.779, 75.168

■ 0, 46.779, 75.168

■ 42, 46.779, 75.168

■ 42, 46.779, 75.168

■ 41, 50.191, 73.043

■ 43, 42.300, 76.996

■ 40, 51.266, 72.489

■ 45, 37.048, 78.587

■ 46, 31.440, 80.053

■ 48, 25.727, 81.451

■ 50, 20.043, 82.804

■ 51, 14.457, 84.119

■ 53, 8.999, 85.394

■ 55, 3.677, 86.606

■ 57, 1.509, 267.998

Harmonies

Complementary

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



42, 46.779, 75.168



27, 47.301, 288.276

Rectangle

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



42, 46.779, 75.168



42, 46.779, 125.168



42, 46.779, 255.168



42, 46.779, 305.168

Sweetspot

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



42, 46.778, 75.171



65, 17.089, 84.185



29, 49.521, 6.257



33, 11.578, 83.808



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, 46.778, 75.171



51, 61.836, 71.741



53, 57.431, 109.578



27, 2.908, 86.368



39, 50.074, 72.596



0, 0.691, 87.512

Inverse Universe

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



27, 47.301, 288.276



31, 67.864, 293.814



18, 74.965, 305.617



26, 2.895, 268.720



23, 53.550, 292.800



0, 0.691, 267.520

Previews

White Background



This preview shows how the CIELCh color 42, 46.779, 75.168 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, 46.779, 75.168 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, 46.779, 75.168

Background



This preview shows how black text looks on a background with the CIELCh color 42, 46.779, 75.168.



This preview shows how white text looks on a background with the CIELCh color 42, 46.779, 75.168.

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, 46.779, 75.168

Protanopia

42, 43.694, 95.775

Deuteranopia

42, 46.188, 82.902



Tritanopia
42, 24.049, 14.598

Trichromacy



Original Color
42, 46.779, 75.168

Protanomaly
42, 43.897, 87.672

Deuteranomaly
42, 46.407, 80.363

Tritanomaly
42, 28.496, 49.156

Monochromacy



Original Color
42, 46.779, 75.168

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 17.502, 82.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 46.779, 75.168 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, 90, 17)` looks like.

```
.text, #text, p{  
    color:rgb(134, 90, 17)  
}
```

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, 90, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 90, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 46.779, 75.168 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, 90, 17) }
```

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

```
.border{ border-color:rgb(134, 90, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 90, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 90, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 90, 17);  
box-shadow:4px 4px 4px 4px rgb(134, 90,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 46.779, 75.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 90, 17) }
```

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

```
.background{ background-color: rgb(134, 90,  
17) }
```

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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