

Converting Colors

CIELCh(42, 83.993, 83.946)

Have a look what the booklet for
CIELCh(42, 83.993, 83.946) contains.

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Color

CIELCh(42, 51.087, 78.779)

Conversions

Conversions Part 1

Format	Color
Hex	845B00
RGB	132, 91, 0
RGB Percent	52%, 36%, 0%
CMY	0.4808, 0.6412, 1.0000
CMYK	0.00, 0.31, 1.00, 0.48
HSL	41°, 100%, 26%
HSV	41°, 100%, 52%
XYZ	13.3553, 12.5000, 1.6901
YIQ	92.8850, 53.6470, -19.6090

Conversions

Conversions Part 2

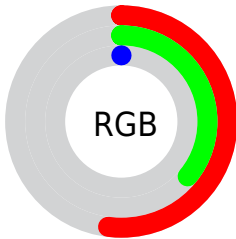
Format	Color
RYB	59, 132, 0
Decimal	8674048
CIELab	42.00, 9.94, 50.11
CIELCh	42, 51.087, 78.779
Yxy	12.5000, 0.4848, 0.4538
Android (android.graphics.Color)	4286864128 (0xFF845B00)
YUV	92.8850, -45.7923, 34.3039
Hunter-Lab	35.3553, 5.5557, 21.9146

Details

The CIELCh color **42, 51.087, 78.779** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **21, 60.657, 296.910**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 50.719, 78.830**, and **22, 33.011, 71.611** is the 20% darker color. If you saturate the color by 10%, you get **42, 50.912, 78.727**, and if you desaturate by 10%, it is **43, 47.977, 80.609**.

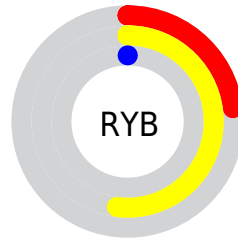
Distribution



Red (52%)

Green (36%)

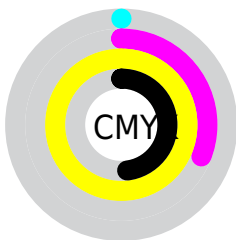
Blue (0%)



Red (23%)

Yellow (52%)

Blue (0%)

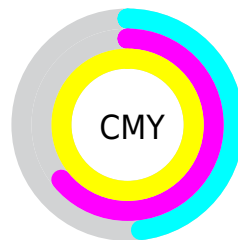


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 51.087, 78.779 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, 51.087, 78.779 by changing the saturation by 10% instead.

42, 51.087, 78.779

42, 51.087, 78.779

100, 51.087,
78.779

32, 51.087, 78.779

62, 51.087, 78.779

22, 51.087, 78.779

72, 51.087, 78.779

12, 51.087, 78.779

82, 51.087, 78.779

2, 51.087, 78.779

92, 51.087, 78.779

0, 51.087, 78.779

42, 51.087, 78.779

42, 51.087, 78.779

42, 50.912, 78.727

43, 47.977, 80.609

44, 44.217, 82.368

■ 46, 39.409, 83.920

■ 47, 34.014, 85.358

■ 48, 28.341, 86.731

■ 50, 22.573, 88.061

■ 51, 16.814, 89.354

■ 52, 11.117, 90.608

■ 54, 5.506, 91.814

Harmonies

Complementary

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



42, 51.087, 78.779



21, 60.657, 296.910

Rectangle

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



42, 51.087, 78.779



42, 51.087, 128.779



42, 51.087, 258.779



42, 51.087, 308.779

Sweetspot

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



42, 50.912, 78.727



65, 20.721, 89.269



27, 53.085, 17.867



33, 14.285, 88.806



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, 50.912, 78.727



54, 61.295, 78.105



52, 60.830, 113.504



27, 3.107, 91.916



41, 50.265, 78.776



0, 0.740, 93.019

Inverse Universe

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



21, 60.657, 296.910



28, 74.791, 297.699



15, 80.957, 307.305



26, 3.114, 274.183



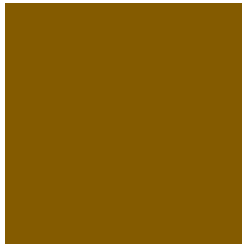
21, 59.772, 296.846



0, 0.741, 273.026

Previews

White Background



This preview shows how the CIELCh color 42, 51.087, 78.779 looks on a white background.

Color Contrast Check

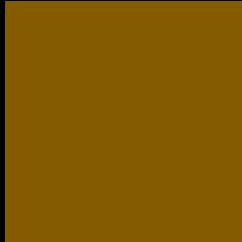
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 51.087, 78.779 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, 51.087, 78.779

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.087, 78.779.



This preview shows how white text looks on a background with the CIELCh color 42, 51.087, 78.779.

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, 50.792, 78.586

Protanopia

42, 47.132, 95.815

Deuteranopia

42, 49.788, 83.790



Tritanopia
42, 22.679, 13.828

Trichromacy



Original Color
42, 50.792, 78.586

Protanomaly
42, 47.850, 89.615

Deuteranomaly
42, 50.069, 82.026

Tritanomaly
42, 29.931, 56.300

Monochromacy



Original Color
42, 50.792, 78.586

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 21.241, 87.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.087, 78.779 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(132, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 91, 0)  
}
```

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(132, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 91, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.087, 78.779 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(132, 91, 0) }
```

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

```
.border{ border-color:rgb(132, 91, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 91, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 91, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.087, 78.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 91, 0) }
```

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

```
.background{ background-color: rgb(132, 91,  
0) }
```

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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