

Converting Colors

CIELCh(42, 50.738, 77.894)

Have a look what the booklet for
CIELCh(42, 50.738, 77.894) contains.

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Color

CIELCh(42, 50.765, 78.005)

Conversions

Conversions Part 1

Format	Color
Hex	855B01
RGB	133, 91, 1
RGB Percent	52%, 36%, 0%
CMY	0.4779, 0.6427, 0.9955
CMYK	0.00, 0.32, 0.99, 0.48
HSL	41°, 98%, 26%
HSV	41°, 99%, 52%
XYZ	13.4494, 12.5000, 1.7366
YIQ	93.2980, 53.9220, -19.0860

Conversions

Conversions Part 2

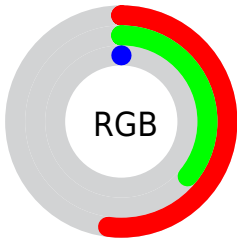
Format	Color
RYB	63, 133, 1
Decimal	8739585
CIELab	42.00, 10.55, 49.66
CIELCh	42, 50.765, 78.005
Yxy	12.5000, 0.4858, 0.4515
Android (android.graphics.Color)	4286929665 (0xFF855B01)
YUV	93.2980, -45.5029, 34.8187
Hunter-Lab	35.3553, 6.0308, 21.8365

Details

The CIELCh color **42, 50.765, 78.005** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **22, 59.501, 296.170**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 50.526, 78.214**, and **22, 33.371, 70.880** is the 20% darker color. If you saturate the color by 10%, you get **42, 51.048, 77.857**, and if you desaturate by 10%, it is **43, 47.784, 79.945**.

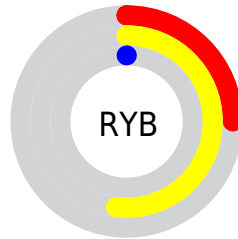
Distribution



Red (52%)

Green (36%)

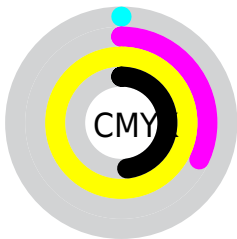
Blue (0%)



Red (25%)

Yellow (52%)

Blue (0%)

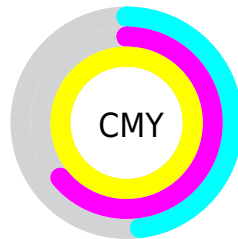


Cyan (0%)

Magenta (32%)

Yellow (99%)

Black (48%)



Cyan (48%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 50.765, 78.005 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, 50.765, 78.005 by changing the saturation by 10% instead.

■ 42, 50.765, 78.005 ■ 42, 50.765, 78.005

■ 100, 50.765, 78.005 ■ 32, 50.765, 78.005

■ 62, 50.765, 78.005 ■ 22, 50.765, 78.005

■ 72, 50.765, 78.005 ■ 12, 50.765, 78.005

■ 82, 50.765, 78.005 ■ 2, 50.765, 78.005

■ 92, 50.765, 78.005 ■ 0, 50.765, 78.005

■ 42, 50.765, 78.005 ■ 42, 50.765, 78.005

■ 42, 51.048, 77.857 ■ 43, 47.784, 79.945

■ 44, 43.860, 81.711

■ 46, 38.943, 83.269

■ 47, 33.485, 84.714

■ 48, 27.783, 86.093

■ 50, 22.010, 87.428

■ 51, 16.261, 88.725

■ 53, 10.585, 89.983

■ 54, 5.004, 91.189

Harmonies

Complementary

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



42, 50.765, 78.005



22, 59.501, 296.170

Rectangle

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



42, 50.765, 78.005



42, 50.765, 128.005



42, 50.765, 258.005



42, 50.765, 308.005

Sweetspot

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



42, 50.764, 78.008



65, 20.802, 88.528



27, 52.733, 15.995



33, 14.172, 88.066



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, 50.764, 78.008



54, 61.896, 77.196



52, 60.647, 112.568



27, 3.077, 91.191



41, 50.197, 77.922



0, 0.733, 92.302

Inverse Universe

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



22, 59.501, 296.170



29, 74.631, 297.249



15, 80.948, 307.084



26, 3.082, 273.473



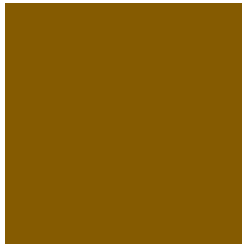
21, 58.916, 296.339



0, 0.733, 272.309

Previews

White Background



This preview shows how the CIELCh color 42, 50.765, 78.005 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, 50.765, 78.005 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, 50.765, 78.005

Background



This preview shows how black text looks on a background with the CIELCh color 42, 50.765, 78.005.



This preview shows how white text looks on a background with the CIELCh color 42, 50.765, 78.005.

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, 50.765, 78.005

Protanopia

42, 46.889, 95.814

Deuteranopia

42, 49.788, 83.790



Tritanopia
42, 23.121, 14.077

Trichromacy



Original Color
42, 50.765, 78.005

Protanomaly
42, 47.735, 89.000

Deuteranomaly
42, 50.276, 81.503

Tritanomaly
42, 30.337, 55.803

Monochromacy



Original Color
42, 50.765, 78.005

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 20.865, 85.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 50.765, 78.005 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(133, 91, 1)` looks like.

```
.text, #text, p{  
    color:rgb(133, 91, 1)  
}
```

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(133, 91, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 91, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 50.765, 78.005 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(133, 91, 1) }
```

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

```
.border{ border-color:rgb(133, 91, 1) }
```

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

Here you see how a box with a 4 pixel rgb(133, 91, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 91, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 91, 1);  
box-shadow:4px 4px 4px 4px rgb(133, 91, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 50.765, 78.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 91, 1) }
```

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

```
.background{ background-color: rgb(133, 91,  
1) }
```

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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