

Converting Colors

CIELCh(47, 53.046, 93.721)

Have a look what the booklet for
CIELCh(47, 53.046, 93.721) contains.

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Color

CIELCh(47, 52.994, 93.774)

Conversions

Conversions Part 1

Format	Color
Hex	806F01
RGB	128, 111, 1
RGB Percent	50%, 44%, 0%
CMY	0.4972, 0.5639, 0.9949
CMYK	0.00, 0.13, 0.99, 0.50
HSL	52°, 98%, 25%
HSV	52°, 99%, 50%
XYZ	14.6468, 16.0195, 2.3573
YIQ	103.5430, 45.4420, -30.6060

Conversions

Conversions Part 2

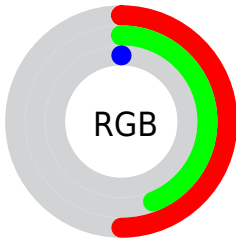
Format	Color
RYB	21, 128, 1
Decimal	8417025
CIELab	47.00, -3.49, 52.88
CIElCh	47, 52.994, 93.774
Yxy	16.0195, 0.4435, 0.4851
Android (android.graphics.Color)	4286607105 (0xFF806F01)
YUV	103.5430, -50.5537, 21.4488
Hunter-Lab	40.0243, -4.7210, 24.5251

Details

The CIELCh color **47, 52.994, 93.774** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 72.517, 303.445**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.798, 93.783**, and **27, 36.268, 93.477** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.244, 93.681**, and if you desaturate by 10%, it is **48, 50.643, 94.743**.

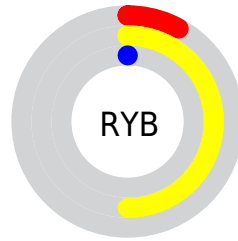
Distribution



Red (50%)

Green (44%)

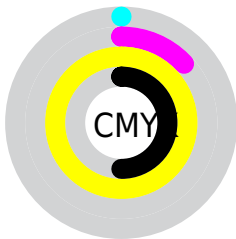
Blue (0%)



Red (8%)

Yellow (50%)

Blue (0%)

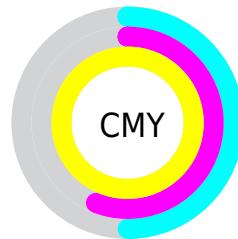


Cyan (0%)

Magenta (13%)

Yellow (99%)

Black (50%)



Cyan (50%)

Magenta (56%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 52.994, 93.774 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 47, 52.994, 93.774 by changing the saturation by 10% instead.

47, 52.994, 93.774

47, 52.994, 93.774

100, 52.994,
93.774

37, 52.994, 93.774

67, 52.994, 93.774

27, 52.994, 93.774

77, 52.994, 93.774

17, 52.994, 93.774

87, 52.994, 93.774

7, 52.994, 93.774

97, 52.994, 93.774

0, 52.994, 93.774

47, 52.994, 93.774

47, 52.994, 93.774

47, 53.244, 93.681

48, 50.643, 94.743

48, 47.223, 95.733

■ 49, 42.604, 96.751

■ 49, 37.174, 97.801

■ 50, 31.244, 98.873

■ 51, 25.027, 99.956

■ 51, 18.660,
101.039

■ 52, 12.227,
102.109

■ 53, 5.777, 103.154

Harmonies

Complementary

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



47, 52.994, 93.774



16, 72.517, 303.445

Rectangle

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



47, 52.994, 93.774



47, 52.994, 143.774



47, 52.994, 273.774



47, 52.994, 323.774

Sweetspot

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



47, 52.993, 93.776



65, 23.819, 100.855



26, 56.237, 30.828



34, 16.364, 100.471



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 52.993, 93.776



60, 64.102, 93.446



49, 61.841, 121.670



27, 3.607, 103.143



47, 53.032, 93.687



0, 0.000, 0.000

Inverse Universe

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



16, 72.517, 303.445



21, 89.677, 304.101



16, 76.449, 309.314



25, 3.661, 285.093



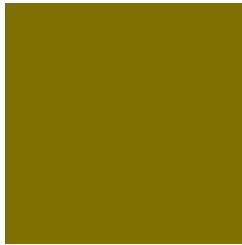
15, 72.808, 303.605



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 52.994, 93.774 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 47, 52.994, 93.774 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 47, 52.994, 93.774

Background



This preview shows how black text looks on a background with the CIELCh color 47, 52.994, 93.774.



This preview shows how white text looks on a background with the CIELCh color 47, 52.994, 93.774.

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

47, 52.994, 93.774

Protanopia

47, 52.645, 95.421

Deuteranopia

47, 51.211, 83.445



Tritanopia
47, 13.759, 1.256

Trichromacy



Original Color
47, 52.994, 93.774

Protanomaly
47, 52.940, 94.892

Deuteranomaly
47, 51.564, 87.521

Tritanomaly
47, 24.140, 77.052

Monochromacy



Original Color
47, 52.994, 93.774

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 23.626, 100.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 52.994, 93.774 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(128, 111, 1)` looks like.

```
.text, #text, p{  
    color:rgb(128, 111, 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(128, 111, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 111, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 52.994, 93.774 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(128, 111, 1) }
```

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

```
.border{ border-color:rgb(128, 111, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 111, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 111, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 111, 1);  
box-shadow:4px 4px 4px 4px rgb(128, 111,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 52.994, 93.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 111, 1) }
```

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

```
.background{ background-color: rgb(128,  
111, 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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