

Converting Colors

CIELCh(47, 54.862, 79.825)

Have a look what the booklet for
CIELCh(47, 54.862, 79.825) contains.

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Color

CIELCh(47, 54.846, 79.909)

Conversions

Conversions Part 1

Format	Color
Hex	936801
RGB	147, 104, 1
RGB Percent	58%, 41%, 0%
CMY	0.4248, 0.5932, 0.9977
CMYK	0.00, 0.29, 1.00, 0.42
HSL	42°, 99%, 29%
HSV	42°, 100%, 58%
XYZ	16.9003, 16.0195, 2.2182
YIQ	105.1150, 58.6910, -22.9170

Conversions

Conversions Part 2

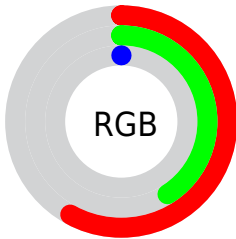
Format	Color
R_{YB}	62, 147, 1
Decimal	9660417
CIE Lab	47.00, 9.61, 54.00
CIE LCh	47, 54.846, 79.909
Yxy	16.0195, 0.4810, 0.4559
Android (android.graphics.Color)	4287850497 (0xFF936801)
YUV	105.1150, -51.3287, 36.7331
Hunter-Lab	40.0243, 5.3294, 24.7311

Details

The CIELCh color **47, 54.846, 79.909** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **23, 67.198, 297.903**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 54.877, 80.154**, and **27, 38.442, 74.050** is the 20% darker color. If you saturate the color by 10%, you get **47, 54.966, 79.839**, and if you desaturate by 10%, it is **48, 52.069, 81.831**.

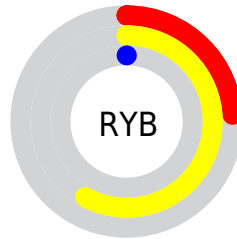
Distribution



Red (58%)

Green (41%)

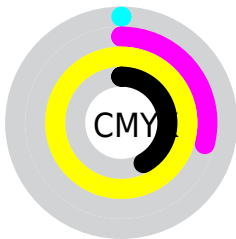
Blue (0%)



Red (24%)

Yellow (58%)

Blue (0%)

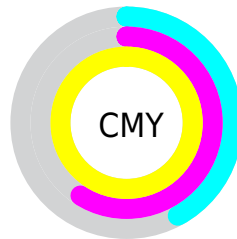


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 54.846, 79.909 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, 54.846, 79.909 by changing the saturation by 10% instead.

47, 54.846, 79.909

47, 54.846, 79.909

100, 54.846,
79.909

37, 54.846, 79.909

67, 54.846, 79.909

27, 54.846, 79.909

77, 54.846, 79.909

17, 54.846, 79.909

87, 54.846, 79.909

7, 54.846, 79.909

97, 54.846, 79.909

0, 54.846, 79.909

47, 54.846, 79.909

47, 54.846, 79.909

47, 54.966, 79.839

48, 52.069, 81.831

49, 48.108, 83.565

■ 51, 42.948, 85.103

■ 52, 37.100, 86.533

■ 53, 30.914, 87.903

■ 55, 24.601, 89.231

■ 56, 18.280, 90.523

■ 58, 12.013, 91.777

■ 59, 5.832, 92.982

Harmonies

Complementary

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



47, 54.846, 79.909



23, 67.198, 297.903

Rectangle

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



47, 54.846, 79.909



47, 54.846, 129.909



47, 54.846, 259.909



47, 54.846, 309.909

Sweetspot

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



47, 54.845, 79.912



72, 23.023, 90.392



30, 57.585, 19.777



37, 15.870, 89.900



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 54.845, 79.912



60, 66.782, 79.278



57, 65.697, 114.489



31, 3.455, 93.027



44, 52.513, 79.991



2, 3.009, 94.139

Inverse Universe

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



23, 67.198, 297.903



31, 83.848, 298.729



17, 86.887, 307.356



29, 3.468, 275.312



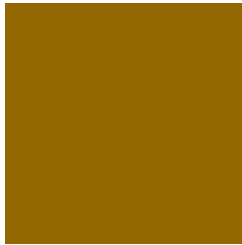
21, 64.078, 297.818



1, 3.010, 274.145

Previews

White Background



This preview shows how the CIELCh color 47, 54.846, 79.909 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 47, 54.846, 79.909 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, 54.846, 79.909

Background



This preview shows how black text looks on a background with the CIELCh color 47, 54.846, 79.909.



This preview shows how white text looks on a background with the CIELCh color 47, 54.846, 79.909.

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, 54.846, 79.909

Protanopia

47, 51.358, 95.413

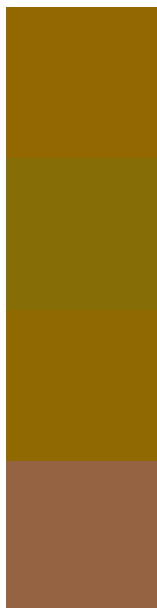
Deuteranopia

47, 54.248, 83.574



Tritanopia
47, 23.975, 11.587

Trichromacy



Original Color
47, 54.846, 79.909

Protanomaly
47, 52.113, 89.298

Deuteranomaly
47, 54.527, 81.990

Tritanomaly
47, 31.527, 58.433

Monochromacy



Original Color
47, 54.846, 79.909

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 23.526, 89.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 54.846, 79.909 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(147, 104, 1)` looks like.

```
.text, #text, p{  
    color:rgb(147, 104, 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(147, 104, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 104, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 54.846, 79.909 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(147, 104, 1) }
```

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

```
.border{ border-color:rgb(147, 104, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 104, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 104, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 104, 1);  
box-shadow:4px 4px 4px 4px rgb(147, 104,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 54.846, 79.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 104, 1) }
```

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

```
.background{ background-color: rgb(147,  
104, 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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