

Converting Colors

CIELCh(49, 55.294, 74.584)

Have a look what the booklet for
CIELCh(49, 55.294, 74.584) contains.

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Color

CIELCh(49, 55.320, 74.466)

Conversions

Conversions Part 1

Format	Color
Hex	9F690D
RGB	159, 105, 13
RGB Percent	62%, 41%, 5%
CMY	0.3752, 0.5871, 0.9473
CMYK	0.00, 0.34, 0.92, 0.38
HSL	38°, 84%, 34%
HSV	38°, 92%, 62%
XYZ	19.5182, 17.5941, 2.7627
YIQ	110.6580, 61.7160, -17.1640

Conversions

Conversions Part 2

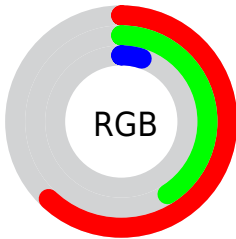
Format	Color
R _Y B	99, 159, 13
Decimal	10447117
CIE Lab	49.00, 14.82, 53.30
CIE LCh	49, 55.320, 74.466
Yxy	17.5941, 0.4895, 0.4412
Android (android.graphics.Color)	4288637197 (0xFF9F690D)
YUV	110.6580, -48.1454, 42.3959
Hunter-Lab	41.9453, 9.6564, 25.4566

Details

The CIELCh color **49, 55.320, 74.466** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **31, 58.099, 290.898**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 55.215, 74.445**, and **29, 42.094, 68.539** is the 20% darker color. If you saturate the color by 10%, you get **48, 58.062, 72.535**, and if you desaturate by 10%, it is **51, 51.027, 76.531**.

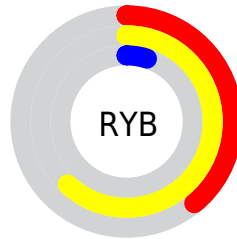
Distribution



Red (62%)

Green (41%)

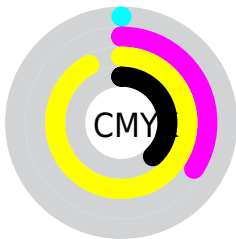
Blue (5%)



Red (39%)

Yellow (62%)

Blue (5%)

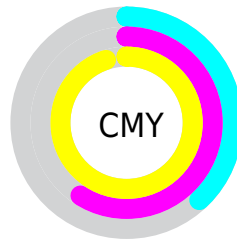


Cyan (0%)

Magenta (34%)

Yellow (92%)

Black (38%)



Cyan (38%)

Magenta (59%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 55.320, 74.466 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 49, 55.320, 74.466 by changing the saturation by 10% instead.

■ 49, 55.320, 74.466

■ 49, 55.320, 74.466

■ 100, 55.320,
74.466

■ 39, 55.320, 74.466

■ 69, 55.320, 74.466

■ 29, 55.320, 74.466

■ 79, 55.320, 74.466

■ 19, 55.320, 74.466

■ 89, 55.320, 74.466

■ 9, 55.320, 74.466

■ 99, 55.320, 74.466

■ 0, 55.320, 74.466

■ 49, 55.320, 74.466

■ 49, 55.320, 74.466

■ 48, 58.062, 72.535

■ 51, 51.027, 76.531

■ 52, 45.450, 78.257

■ 54, 39.196, 79.803

■ 56, 32.668, 81.255

■ 58, 26.094, 82.649

■ 59, 19.592, 84.003

■ 61, 13.219, 85.316

■ 63, 6.997, 86.582

■ 65, 0.931, 87.610

Harmonies

Complementary

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



49, 55.320, 74.466



31, 58.099, 290.898

Rectangle

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



49, 55.320, 74.466



49, 55.320, 124.466



49, 55.320, 254.466



49, 55.320, 304.466

Sweetspot

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



49, 55.319, 74.469



76, 20.598, 84.541



34, 57.741, 8.721



40, 14.045, 84.119



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 55.319, 74.469



61, 70.433, 71.887



62, 66.870, 109.651



32, 3.387, 86.866



43, 53.582, 72.854



3, 4.259, 85.149

Inverse Universe

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



31, 58.099, 290.898



37, 79.135, 294.687



20, 88.885, 306.140



31, 3.374, 269.279



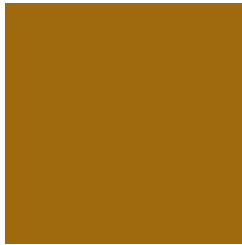
25, 58.454, 293.561



1, 4.483, 269.661

Previews

White Background



This preview shows how the CIE LCh color 49, 55.320, 74.466 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 49, 55.320, 74.466 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 55.320, 74.466

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.320, 74.466.



This preview shows how white text looks on a background with the CIELCh color 49, 55.320, 74.466.

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

49, 55.320, 74.466

Protanopia

49, 51.374, 95.155

Deuteranopia

49, 55.326, 83.681



Tritanopia
49, 28.601, 15.267

Trichromacy



Original Color
49, 55.320, 74.466

Protanomaly
49, 51.840, 87.385

Deuteranomaly
49, 55.092, 80.405

Tritanomaly
49, 34.208, 51.063

Monochromacy



Original Color
49, 55.320, 74.466

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 21.566, 82.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.320, 74.466 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(159, 105, 13)` looks like.

```
.text, #text, p{  
    color:rgb(159, 105, 13)  
}
```

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(159, 105, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 105, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.320, 74.466 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(159, 105, 13) }
```

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

```
.border{ border-color:rgb(159, 105, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 105, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 105, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 105, 13);  
box-shadow:4px 4px 4px 4px rgb(159, 105,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.320, 74.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 105, 13) }
```

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

```
.background{ background-color: rgb(159,  
105, 13) }
```

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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