

Converting Colors

CIELCh(49, 55.447, 102.848)

Have a look what the booklet for
CIELCh(49, 55.447, 102.848)
contains.

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Color

CIELCh(49, 55.625, 102.877)

Conversions

Conversions Part 1

Format	Color
Hex	797900
RGB	121, 121, 0
RGB Percent	47%, 47%, 0%
CMY	0.5274, 0.5273, 0.9989
CMYK	0.00, 0.00, 1.00, 0.53
HSL	60°, 100%, 24%
HSV	60°, 100%, 47%
XYZ	14.5997, 17.5941, 2.6340
YIQ	107.2060, 38.8410, -37.6310

Conversions

Conversions Part 2

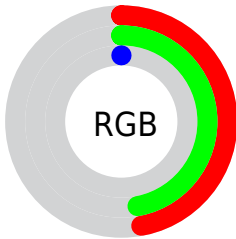
Format	Color
RYB	0, 121, 0
Decimal	7960832
CIELab	49.00, -12.40, 54.23
CIELCh	49, 55.625, 102.877
Yxy	17.5941, 0.4192, 0.5052
Android (android.graphics.Color)	4286150912 (0xFF797900)
YUV	107.2060, -52.8526, 12.0973
Hunter-Lab	41.9453, -11.2747, 25.6385

Details

The CIELCh color **49, 55.625, 102.877** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 76.742, 306.255**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 55.929, 102.649**, and **29, 39.384, 106.666** is the 20% darker color. If you saturate the color by 10%, you get **49, 55.680, 102.872**, and if you desaturate by 10%, it is **49, 53.213, 103.177**.

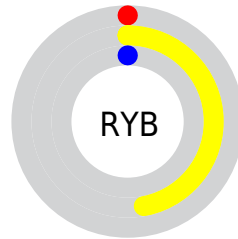
Distribution



Red (47%)

Green (47%)

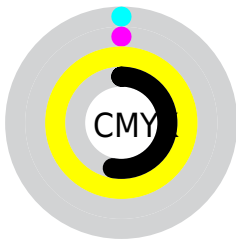
Blue (0%)



Red (0%)

Yellow (47%)

Blue (0%)

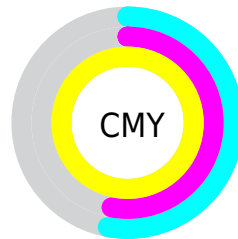


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.625, 102.877 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, 55.625, 102.877 by changing the saturation by 10% instead.


 49, 55.625,
102.877


 49, 55.625,
102.877


 100, 55.625,
102.877


 39, 55.625,
102.877

 69, 55.625,
102.877


 29, 55.625,
102.877

 79, 55.625,
102.877

 19, 55.625,
102.877

 89, 55.625,
102.877

 9, 55.625, 102.877

 99, 55.625,
102.877

 0, 55.625, 102.877

 49, 55.625,

 49, 55.625,

102.877

102.877

■ 49, 55.680,
102.872

■ 49, 53.213,
103.177

■ 49, 49.925,
103.589

■ 49, 45.416,
104.165

■ 49, 39.987,
104.872

■ 49, 33.923,
105.674

■ 50, 27.447,
106.541

■ 50, 20.713,
107.445

■ 50, 13.825,
108.368

Harmonies

Complementary

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



49, 55.625, 102.877



12, 76.742, 306.255

Rectangle

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



49, 55.625, 102.877



49, 55.625, 152.877



49, 55.625, 282.877



49, 55.625, 332.877

Sweetspot

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



49, 55.625, 102.879



63, 25.695, 107.359



24, 58.192, 37.807



33, 17.624, 107.048



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 55.625, 102.879



62, 66.992, 102.873



45, 62.235, 127.422



26, 3.997, 109.354



51, 57.133, 102.872



96, 96.175, 102.874

Inverse Universe

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



12, 76.742, 306.255



17, 92.503, 306.288



17, 71.309, 312.318



23, 4.080, 291.084



12, 78.888, 306.289



32, 132.799, 306.288

Previews

White Background



This preview shows how the CIE LCh color 49, 55.625, 102.877 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, 55.625, 102.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

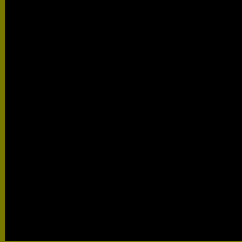
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 55.625, 102.877

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.625, 102.877.



This preview shows how white text looks on a background with the CIELCh color 49, 55.625, 102.877.

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, 55.830, 102.852

Protanopia

49, 54.958, 95.704

Deuteranopia

49, 51.677, 82.783



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 55.830, 102.852

Protanomaly
49, 55.013, 98.284

Deuteranomaly
49, 52.317, 90.733

Tritanomaly
48, 22.554, 95.530

Monochromacy



Original Color
49, 55.830, 102.852

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 25.539, 106.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.625, 102.877 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(121, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(121, 121, 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(121, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 121, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.625, 102.877 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(121, 121, 0) }
```

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

```
.border{ border-color:rgb(121, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(121, 121,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.625, 102.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 121, 0) }
```

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

```
.background{ background-color: rgb(121,  
121, 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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