

Converting Colors

CIELCh(49, 55.504, 103.350)

Have a look what the booklet for
CIELCh(49, 55.504, 103.350)
contains.

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Color

CIELCh(49, 55.630, 103.373)

Conversions

Conversions Part 1

Format	Color
Hex	787901
RGB	120, 121, 1
RGB Percent	47%, 47%, 0%
CMY	0.5304, 0.5264, 0.9975
CMYK	0.01, 0.00, 0.99, 0.53
HSL	61°, 99%, 24%
HSV	61°, 99%, 47%
XYZ	14.5229, 17.5941, 2.6483
YIQ	107.0210, 37.9240, -37.5320

Conversions

Conversions Part 2

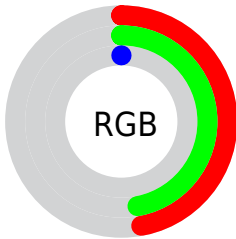
Format	Color
R_{YB}	1, 121, 2
Decimal	7895297
CIE Lab	49.00, -12.87, 54.12
CIE LCh	49, 55.630, 103.373
Yxy	17.5941, 0.4177, 0.5061
Android (android.graphics.Color)	4286085377 (0xFF787901)
YUV	107.0210, -52.2684, 11.3826
Hunter-Lab	41.9453, -11.6014, 25.6183

Details

The CIELCh color **49, 55.630, 103.373** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 76.611, 306.251**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 55.491, 103.137**, and **29, 39.384, 106.666** is the 20% darker color. If you saturate the color by 10%, you get **49, 55.759, 103.361**, and if you desaturate by 10%, it is **49, 53.213, 103.643**.

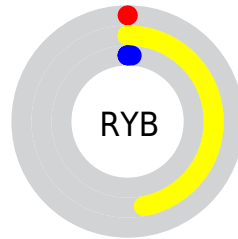
Distribution



Red (47%)

Green (47%)

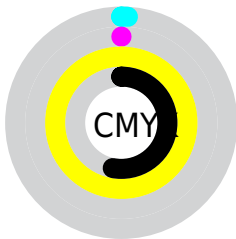
Blue (0%)



Red (0%)

Yellow (47%)

Blue (1%)

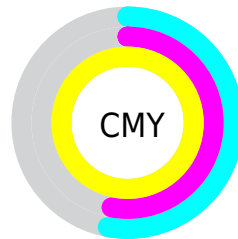


Cyan (1%)

Magenta (0%)

Yellow (99%)

Black (53%)



Cyan (53%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.630, 103.373 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, 55.630, 103.373 by changing the saturation by 10% instead.


 49, 55.630,
103.373


 49, 55.630,
103.373


 100, 55.630,
103.373


 39, 55.630,
103.373

 69, 55.630,
103.373


 29, 55.630,
103.373

 79, 55.630,
103.373

 19, 55.630,
103.373

 89, 55.630,
103.373

 9, 55.630, 103.373

 99, 55.630,
103.373

 0, 55.630, 103.373

 49, 55.630,

 49, 55.630,

103.373

103.373

■ 49, 55.759,
103.361

■ 49, 53.213,
103.643

■ 49, 49.881,
104.034

■ 49, 45.334,
104.595

■ 49, 39.875,
105.289

■ 49, 33.788,
106.080

■ 50, 27.292,
106.936

■ 50, 20.543,
107.830

■ 50, 13.641,
108.741

Harmonies

Complementary

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



49, 55.630, 103.373



12, 76.611, 306.251

Rectangle

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



49, 55.630, 103.373



49, 55.630, 153.373



49, 55.630, 283.373



49, 55.630, 333.373

Sweetspot

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



49, 55.630, 103.375



64, 26.039, 107.714



24, 58.158, 37.773



33, 17.625, 107.411



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, 55.630, 103.375



63, 67.804, 103.374



45, 62.220, 127.411



26, 3.997, 109.687



51, 57.138, 103.363



96, 96.184, 103.390

Inverse Universe

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



12, 76.611, 306.251



18, 93.569, 306.317



17, 71.264, 312.316



23, 4.080, 291.393



13, 78.838, 306.327



32, 132.763, 306.304

Previews

White Background



This preview shows how the CIELCh color 49, 55.630, 103.373 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 49, 55.630, 103.373 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, 55.630, 103.373

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.630, 103.373.



This preview shows how white text looks on a background with the CIELCh color 49, 55.630, 103.373.

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, 55.630, 103.373

Protanopia

49, 54.958, 95.704

Deuteranopia

49, 51.677, 82.783



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 55.630, 103.373

Protanomaly
49, 55.013, 98.284

Deuteranomaly
49, 52.317, 90.733

Tritanomaly
48, 22.554, 95.530

Monochromacy



Original Color
49, 55.630, 103.373

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, 55.630, 103.373 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(120, 121, 1)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 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(120, 121, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.630, 103.373 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(120, 121, 1) }
```

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

```
.border{ border-color:rgb(120, 121, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 121, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 1);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.630, 103.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 1) }
```

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

```
.background{ background-color: rgb(120,  
121, 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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