

Converting Colors

CIELCh(49, 55.182, 101.342)

Have a look what the booklet for
CIELCh(49, 55.182, 101.342)
contains.

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Color

CIELCh(49, 55.306, 101.374)

Conversions

Conversions Part 1

Format	Color
Hex	7B7801
RGB	123, 120, 1
RGB Percent	48%, 47%, 0%
CMY	0.5183, 0.5300, 0.9971
CMYK	0.00, 0.02, 0.99, 0.52
HSL	59°, 99%, 24%
HSV	59°, 99%, 48%
XYZ	14.8446, 17.5941, 2.6349
YIQ	107.3310, 39.9870, -36.3730

Conversions

Conversions Part 2

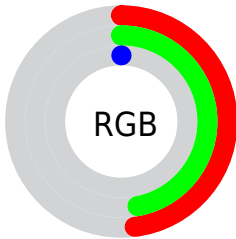
Format	Color
R_{YB}	4, 123, 1
Decimal	8091649
CIE Lab	49.00, -10.91, 54.22
CIE LCh	49, 55.306, 101.374
Yxy	17.5941, 0.4232, 0.5016
Android (android.graphics.Color)	4286281729 (0xFF7B7801)
YUV	107.3310, -52.4212, 13.7417
Hunter-Lab	41.9453, -10.2322, 25.6373

Details

The CIELCh color **49, 55.306, 101.374** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 76.228, 305.725**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 55.162, 101.294**, and **29, 38.921, 104.411** is the 20% darker color. If you saturate the color by 10%, you get **49, 55.455, 101.352**, and if you desaturate by 10%, it is **49, 52.928, 101.779**.

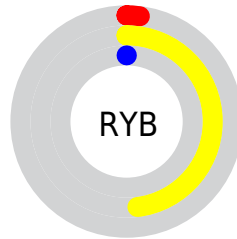
Distribution



Red (48%)

Green (47%)

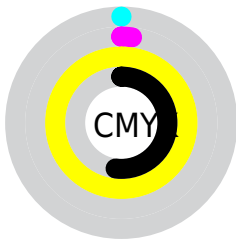
Blue (0%)



Red (2%)

Yellow (48%)

Blue (0%)

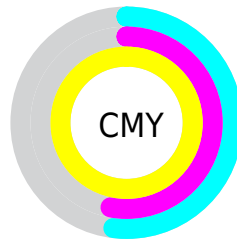


Cyan (0%)

Magenta (2%)

Yellow (99%)

Black (52%)



Cyan (52%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.306, 101.374 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, 55.306, 101.374 by changing the saturation by 10% instead.


 49, 55.306,
101.374


 49, 55.306,
101.374


 100, 55.306,
101.374


 39, 55.306,
101.374

 69, 55.306,
101.374


 29, 55.306,
101.374

 79, 55.306,
101.374

 19, 55.306,
101.374

 89, 55.306,
101.374

 9, 55.306, 101.374

 99, 55.306,
101.374

 0, 55.306, 101.374

 49, 55.306,

 49, 55.306,

101.374

101.374

■ 49, 55.455,
101.352

■ 49, 52.928,
101.779

■ 49, 49.591,
102.292

■ 49, 45.027,
102.947

■ 50, 39.558,
103.717

■ 50, 33.476,
104.569

■ 50, 27.004,
105.475

■ 50, 20.293,
106.413

■ 51, 13.444,
107.362

Harmonies

Complementary

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



49, 55.306, 101.374



13, 76.228, 305.725

Rectangle

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



49, 55.306, 101.374



49, 55.306, 151.374



49, 55.306, 281.374



49, 55.306, 331.374

Sweetspot

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



49, 55.306, 101.376



65, 25.782, 106.285



24, 58.030, 36.593



34, 17.688, 105.957



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 55.306, 101.376



63, 67.382, 101.314



46, 62.305, 126.284



26, 3.901, 108.336



50, 56.141, 101.349



95, 94.418, 101.266

Inverse Universe

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



13, 76.228, 305.725



19, 93.529, 305.939



17, 72.599, 311.559



23, 3.978, 290.101



13, 77.558, 305.819



32, 131.839, 306.088

Previews

White Background



This preview shows how the CIE LCh color 49, 55.306, 101.374 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, 55.306, 101.374 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, 55.306, 101.374

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.306, 101.374.



This preview shows how white text looks on a background with the CIELCh color 49, 55.306, 101.374.

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, 55.306, 101.374

Protanopia

49, 55.029, 95.198

Deuteranopia

49, 51.827, 83.443



Tritanopia
49, 9.707, 347.727

Trichromacy



Original Color
49, 55.306, 101.374

Protanomaly
49, 55.107, 97.271

Deuteranomaly
49, 52.441, 90.212

Tritanomaly
48, 22.509, 90.735

Monochromacy



Original Color
49, 55.306, 101.374

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 25.543, 105.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.306, 101.374 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(123, 120, 1)` looks like.

```
.text, #text, p{  
    color:rgb(123, 120, 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(123, 120, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 120, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.306, 101.374 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(123, 120, 1) }
```

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

```
.border{ border-color:rgb(123, 120, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 120, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 120, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 120, 1);  
box-shadow:4px 4px 4px 4px rgb(123, 120,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.306, 101.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 120, 1) }
```

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

```
.background{ background-color: rgb(123,  
120, 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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