

Converting Colors

CIELCh(48, 54.976, 104.927)

Have a look what the booklet for
CIELCh(48, 54.976, 104.927)
contains.

CIELCh(48, 55.006, 104.887)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 55.006, 104.887)

Conversions

Conversions Part 1

Format	Color
Hex	737701
RGB	115, 119, 1
RGB Percent	45%, 47%, 0%
CMY	0.5496, 0.5339, 0.9970
CMYK	0.03, 0.00, 0.99, 0.53
HSL	62°, 99%, 23%
HSV	62°, 99%, 47%
XYZ	13.6330, 16.7945, 2.5452
YIQ	104.3520, 35.4940, -37.5460

Conversions

Conversions Part 2

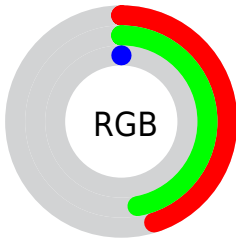
Format	Color
R_YB	1, 119, 5
Decimal	7567105
CIE Lab	48.00, -14.13, 53.16
CIE LCh	48, 55.006, 104.887
Yxy	16.7945, 0.4135, 0.5093
Android (android.graphics.Color)	4285757185 (0xFF737701)
YUV	104.3520, -50.9525, 9.3383
Hunter-Lab	40.9810, -12.3361, 25.0044

Details

The CIELCh color **48, 55.006, 104.887** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 75.497, 306.358**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 55.059, 104.964**, and **28, 38.776, 109.070** is the 20% darker color. If you saturate the color by 10%, you get **48, 55.170, 104.876**, and if you desaturate by 10%, it is **48, 52.566, 105.069**.

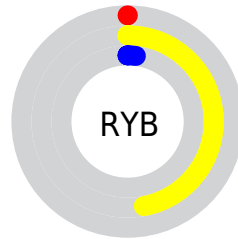
Distribution



Red (45%)

Green (47%)

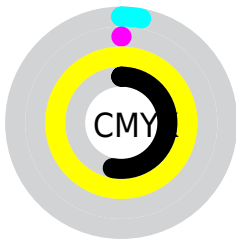
Blue (0%)



Red (0%)

Yellow (47%)

Blue (2%)

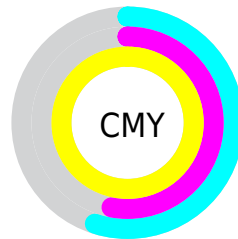


Cyan (3%)

Magenta (0%)

Yellow (99%)

Black (53%)



Cyan (55%)


Magenta (53%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 55.006, 104.887 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 48, 55.006, 104.887 by changing the saturation by 10% instead.


 48, 55.006,
104.887


 48, 55.006,
104.887


 100, 55.006,
104.887


 38, 55.006,
104.887

 68, 55.006,
104.887


 28, 55.006,
104.887

 78, 55.006,
104.887

 18, 55.006,
104.887

 88, 55.006,
104.887

 8, 55.006, 104.887

 98, 55.006,
104.887

 0, 55.006, 104.887

 48, 55.006,

 48, 55.006,

104.887

104.887

■ 48, 55.170,
104.876

■ 48, 52.566,
105.069

■ 48, 49.232,
105.386

■ 48, 44.711,
105.889

■ 48, 39.301,
106.537

■ 49, 33.280,
107.287

■ 49, 26.861,
108.105

■ 49, 20.194,
108.961

■ 49, 13.378,
109.833

Harmonies

Complementary

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



48, 55.006, 104.887



12, 75.497, 306.358

Rectangle

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



48, 55.006, 104.887



48, 55.006, 154.887



48, 55.006, 284.887



48, 55.006, 334.887

Sweetspot

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



48, 55.006, 104.889



63, 25.707, 108.838



24, 56.850, 38.331



33, 17.632, 108.543



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 55.006, 104.889



62, 67.056, 104.928



44, 62.090, 128.449



25, 3.859, 110.733



49, 56.344, 104.883



95, 95.534, 104.994

Inverse Universe

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



12, 75.497, 306.358



18, 92.317, 306.411



18, 69.901, 313.122



22, 3.939, 292.350



12, 77.522, 306.451



32, 131.634, 306.356

Previews

White Background



This preview shows how the CIELCh color 48, 55.006, 104.887 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 48, 55.006, 104.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

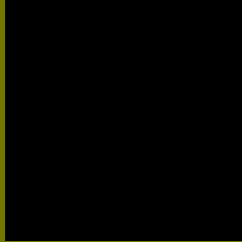
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 55.006, 104.887

Background



This preview shows how black text looks on a background with the CIELCh color 48, 55.006, 104.887.



This preview shows how white text looks on a background with the CIELCh color 48, 55.006, 104.887.

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


48, 55.006, 104.887

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 50.497, 82.879



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 55.006, 104.887

Protanomaly
48, 54.311, 98.729

Deuteranomaly
48, 51.378, 91.600

Tritanomaly
47, 21.801, 98.799

Monochromacy



Original Color
48, 55.006, 104.887

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 25.083, 107.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 55.006, 104.887 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(115, 119, 1)` looks like.

```
.text, #text, p{  
    color:rgb(115, 119, 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(115, 119, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 119, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 55.006, 104.887 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(115, 119, 1) }
```

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

```
.border{ border-color:rgb(115, 119, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 119, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 119, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 119, 1);  
box-shadow:4px 4px 4px 4px rgb(115, 119,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 55.006, 104.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 119, 1) }
```

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

```
.background{ background-color: rgb(115,  
119, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor