

Converting Colors

CIELCh(44, 55.112, 99.376)

Have a look what the booklet for
CIELCh(44, 55.112, 99.376) contains.

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Color

CIELCh(44, 51.204, 100.084)

Conversions

Conversions Part 1

Format	Color
Hex	706B00
RGB	112, 107, 0
RGB Percent	44%, 42%, 0%
CMY	0.5626, 0.5821, 1.0000
CMYK	0.00, 0.04, 1.00, 0.56
HSL	57°, 100%, 22%
HSV	57°, 100%, 44%
XYZ	11.8318, 13.8382, 2.0303
YIQ	96.2970, 37.3270, -32.2170

Conversions

Conversions Part 2

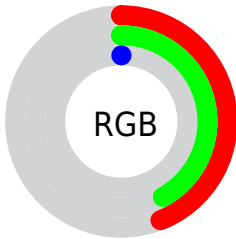
Format	Color
RYB	5, 112, 0
Decimal	7367424
CIELab	44.00, -8.97, 50.41
CIELCh	44, 51.204, 100.084
Yxy	13.8382, 0.4271, 0.4996
Android (android.graphics.Color)	4285557504 (0xFF706B00)
YUV	96.2970, -47.4744, 13.7715
Hunter-Lab	37.1997, -8.3256, 22.8038

Details

The CIELCh color **44, 51.204, 100.084** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 70.239, 305.321**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 51.059, 100.055**, and **24, 33.824, 103.120** is the 20% darker color. If you saturate the color by 10%, you get **44, 51.059, 100.098**, and if you desaturate by 10%, it is **44, 48.622, 100.612**.

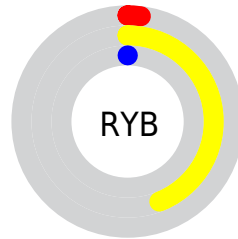
Distribution



Red (44%)

Green (42%)

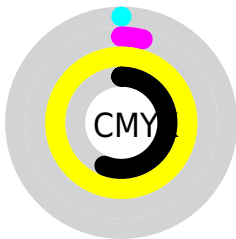
Blue (0%)



Red (2%)

Yellow (44%)

Blue (0%)

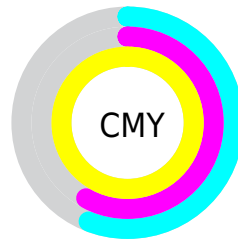


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (56%)



Cyan (56%)

Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 51.204, 100.084 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 44, 51.204, 100.084 by changing the saturation by 10% instead.


 44, 51.204,
100.084


 44, 51.204,
100.084


 100, 51.204,
100.084

 34, 51.204,
100.084

 64, 51.204,
100.084


 24, 51.204,
100.084

 74, 51.204,
100.084

 14, 51.204,
100.084

 84, 51.204,
100.084

 4, 51.204, 100.084

 94, 51.204,
100.084

 0, 51.204, 100.084

 44, 51.204,

 44, 51.204,

100.084

100.084

■ 44, 51.059,
100.098

■ 44, 48.622,
100.612

■ 44, 45.525,
101.203

■ 45, 41.321,
101.916

■ 45, 36.310,
102.726

■ 45, 30.760,
103.607

■ 45, 24.869,
104.534

■ 46, 18.773,
105.485

■ 46, 12.560,
106.445

Harmonies

Complementary

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



44, 51.204, 100.084



11, 70.239, 305.321

Rectangle

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



44, 51.204, 100.084



44, 51.204, 150.084



44, 51.204, 280.084



44, 51.204, 330.084

Sweetspot

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



44, 51.059, 100.098



59, 23.317, 105.409



22, 53.341, 35.055



30, 16.003, 105.097



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 51.059, 100.098



57, 61.743, 100.022



42, 57.946, 125.540



23, 3.554, 107.490



47, 53.736, 100.076



92, 91.613, 99.910

Inverse Universe

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



11, 70.239, 305.321



16, 85.783, 305.575



15, 68.199, 311.330



21, 3.621, 289.253



12, 74.138, 305.397



32, 129.005, 305.916

Previews

White Background



This preview shows how the CIELCh color 44, 51.204, 100.084 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 44, 51.204, 100.084 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 44, 51.204, 100.084

Background



This preview shows how black text looks on a background with the CIELCh color 44, 51.204, 100.084.



This preview shows how white text looks on a background with the CIELCh color 44, 51.204, 100.084.

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


44, 51.204, 100.084

Protanopia

44, 50.653, 94.924

Deuteranopia

44, 47.877, 83.187



Tritanopia
44, 9.240, 349.525

Trichromacy



Original Color
44, 51.204, 100.084

Protanomaly
44, 50.783, 96.664

Deuteranomaly
44, 48.536, 89.486

Tritanomaly
44, 21.262, 89.298

Monochromacy



Original Color
44, 51.204, 100.084

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 23.131, 104.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 51.204, 100.084 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(112, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 107, 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(112, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 107, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 51.204, 100.084 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(112, 107, 0) }
```

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

```
.border{ border-color:rgb(112, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 107,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 51.204, 100.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 107, 0) }
```

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

```
.background{ background-color: rgb(112,  
107, 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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