

Converting Colors

CIELCh(50, 56.143, 111.284)

Have a look what the booklet for
CIELCh(50, 56.143, 111.284)
contains.

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Color

CIELCh(50, 56.242, 111.274)

Conversions

Conversions Part 1

Format	Color
Hex	6E7F0B
RGB	110, 127, 11
RGB Percent	43%, 50%, 4%
CMY	0.5699, 0.5032, 0.9550
CMYK	0.13, 0.00, 0.91, 0.50
HSL	69°, 83%, 27%
HSV	69°, 91%, 50%
XYZ	14.0029, 18.4187, 3.1480
YIQ	108.6930, 27.1040, -39.6800

Conversions

Conversions Part 2

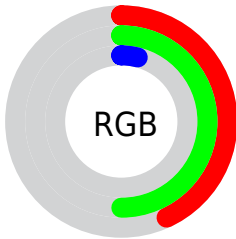
Format	Color
R_{YB}	11, 127, 28
Decimal	7241483
CIE _{Lab}	50.00, -20.41, 52.41
CIE _{LCh}	50, 56.242, 111.274
Yxy	18.4187, 0.3937, 0.5178
Android (android.graphics.Color)	4285431563 (0xFF6E7F0B)
YUV	108.6930, -48.1626, 1.1462
Hunter-Lab	42.9170, -16.8639, 25.6930

Details

The CIELCh color **50, 56.242, 111.274** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 73.654, 306.253**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 56.654, 111.191**, and **30, 42.391, 115.906** is the 20% darker color. If you saturate the color by 10%, you get **50, 58.515, 111.494**, and if you desaturate by 10%, it is **50, 52.913, 111.200**.

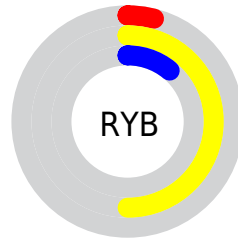
Distribution



Red (43%)

Green (50%)

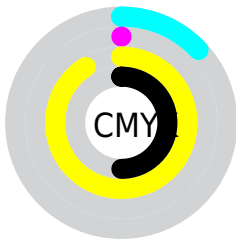
Blue (4%)



Red (4%)

Yellow (50%)

Blue (11%)

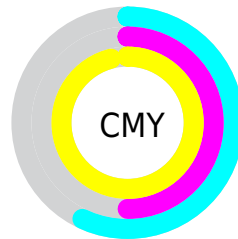


Cyan (13%)

Magenta (0%)

Yellow (91%)

Black (50%)



Cyan (57%)


Magenta (50%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 56.242, 111.274 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 50, 56.242, 111.274 by changing the saturation by 10% instead.


 50, 56.242,
111.274


 50, 56.242,
111.274


 100, 56.242,
111.274


 40, 56.242,
111.274


 70, 56.242,
111.274

 30, 56.242,
111.274


 80, 56.242,
111.274


 20, 56.242,
111.274

 90, 56.242,
111.274

 10, 56.242,
111.274

 0, 56.242, 111.274

 50, 56.242,
111.274

 50, 56.242,
111.274

■ 50, 58.515,
111.494

■ 50, 52.913,
111.200

■ 50, 48.286,
111.406

■ 51, 42.669,
111.824

■ 51, 36.363,
112.386

■ 51, 29.606,
113.038

■ 52, 22.565,
113.740

■ 52, 15.352,
114.464

■ 53, 8.044, 115.189

■ 53, 0.690, 115.894

Harmonies

Complementary

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



50, 56.242, 111.274



16, 73.654, 306.253

Rectangle

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



50, 56.242, 111.274



50, 56.242, 161.274



50, 56.242, 291.274



50, 56.242, 341.274

Sweetspot

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



50, 56.242, 111.276



66, 24.574, 113.977



28, 54.346, 40.170



35, 16.660, 113.775



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 56.242, 111.276



64, 71.227, 111.692



47, 64.141, 130.887



27, 4.164, 115.321



50, 58.784, 111.499



0, 0.000, 0.000

Inverse Universe

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



16, 73.654, 306.253



20, 95.962, 306.917



23, 68.669, 316.005



24, 4.248, 296.653



14, 79.085, 307.052



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 56.242, 111.274 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 56.242, 111.274 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 50, 56.242, 111.274

Background



This preview shows how black text looks on a background with the CIELCh color 50, 56.242, 111.274.



This preview shows how white text looks on a background with the CIELCh color 50, 56.242, 111.274.

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


50, 56.436, 111.225

Protanopia

50, 54.079, 95.303

Deuteranopia

50, 50.935, 82.834



Tritanopia
50, 5.293, 295.106

Trichromacy



Original Color
50, 56.436, 111.225

Protanomaly
50, 54.407, 101.548

Deuteranomaly
50, 51.366, 94.132

Tritanomaly
50, 20.892, 113.460

Monochromacy



Original Color
50, 56.436, 111.225

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 24.488, 113.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 56.242, 111.274 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(110, 127, 11)` looks like.

```
.text, #text, p{  
    color:rgb(110, 127, 11)  
}
```

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(110, 127, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 127, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 56.242, 111.274 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(110, 127, 11) }
```

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

```
.border{ border-color:rgb(110, 127, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 127, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 127, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 127, 11);  
box-shadow:4px 4px 4px 4px rgb(110, 127,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 56.242, 111.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 127, 11) }
```

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

```
.background{ background-color: rgb(110,  
127, 11) }
```

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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