

Converting Colors

CIELCh(50, 38.860, 114.504)

Have a look what the booklet for
CIELCh(50, 38.860, 114.504)
contains.

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Color

CIELCh(50, 38.956, 114.640)

Conversions

Conversions Part 1

Format	Color
Hex	6F7D38
RGB	111, 125, 56
RGB Percent	44%, 49%, 22%
CMY	0.5637, 0.5088, 0.7794
CMYK	0.11, 0.00, 0.55, 0.51
HSL	72°, 38%, 36%
HSV	72°, 55%, 49%
XYZ	14.6759, 18.4187, 6.5548
YIQ	112.9480, 13.8050, -24.4270

Conversions

Conversions Part 2

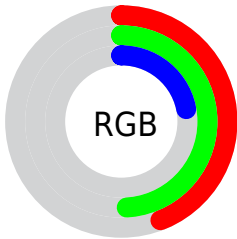
Format	Color
RYB	56, 125, 70
Decimal	7306552
CIELab	50.00, -16.24, 35.41
CIELCh	50, 38.956, 114.640
Yxy	18.4187, 0.3701, 0.4645
Android (android.graphics.Color)	4285496632 (0xFF6F7D38)
YUV	112.9480, -28.0754, -1.7084
Hunter-Lab	42.9170, -14.0646, 20.9864

Details

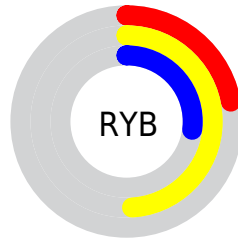
The CIELCh color **50, 38.956, 114.640** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 44.531, 303.174**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 39.290, 114.884**, and **30, 39.005, 114.506** is the 20% darker color. If you saturate the color by 10%, you get **50, 45.024, 114.209**, and if you desaturate by 10%, it is **50, 32.363, 115.193**.

Distribution



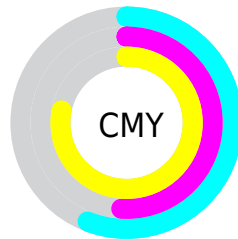
- Red (44%)
- Green (49%)
- Blue (22%)



- Red (22%)
- Yellow (49%)
- Blue (27%)



- Cyan (11%)
- Magenta (0%)
- Yellow (55%)
- Black (51%)





- Cyan (56%)
- Magenta (51%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 38.956, 114.640 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, 38.956, 114.640 by changing the saturation by 10% instead.


 50, 38.956,
114.640


 50, 38.956,
114.640


 100, 38.956,
114.640


 40, 38.956,
114.640


 70, 38.956,
114.640

 30, 38.956,
114.640


 80, 38.956,
114.640


 20, 38.956,
114.640

 90, 38.956,
114.640

 10, 38.956,
114.640

 0, 38.956, 114.640

 50, 38.956,
114.640

 50, 38.956,
114.640

■ 50, 45.024,
114.209

■ 50, 32.363,
115.193

■ 49, 50.304,
113.962

■ 51, 25.433,
115.813

■ 49, 54.487,
113.981

■ 51, 18.297,
116.465

■ 49, 57.384,
114.321

■ 52, 11.043,
117.126

■ 49, 58.687,
114.500

■ 52, 3.730, 117.780

■ 53, 3.602, 298.408

■ 53, 10.923,
299.017

■ 54, 18.213,
299.594

■ 55, 25.456,
300.137

Harmonies

Complementary

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



50, 38.956, 114.640



29, 44.531, 303.174

Rectangle

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



50, 38.956, 114.640



50, 38.956, 164.640



50, 38.956, 294.640



50, 38.956, 344.640

Sweetspot

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



50, 38.957, 114.642



66, 15.431, 116.973



36, 28.889, 40.014



34, 10.264, 116.869



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 38.957, 114.642



64, 56.286, 114.127



48, 44.048, 133.041



27, 4.186, 117.518



50, 59.444, 114.519



0, 0.000, 0.000

Inverse Universe

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



29, 44.531, 303.174



32, 67.072, 304.676



33, 45.734, 317.907



24, 4.268, 298.718



14, 78.559, 307.505



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 38.956, 114.640 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 50, 38.956, 114.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

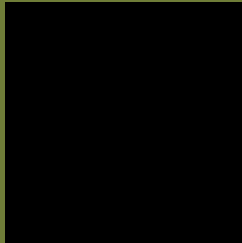
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 38.956, 114.640

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.956, 114.640.



This preview shows how white text looks on a background with the CIELCh color 50, 38.956, 114.640.

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, 38.956, 114.640

Protanopia

50, 37.132, 95.758

Deuteranopia

50, 34.646, 79.090



Tritanopia
50, 5.293, 295.106

Trichromacy



Original Color
50, 38.956, 114.640

Protanomaly
50, 37.025, 103.095

Deuteranomaly
50, 33.942, 92.881

Tritanomaly
50, 11.818, 118.926

Monochromacy



Original Color
50, 38.956, 114.640

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 14.748, 116.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.956, 114.640 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(111, 125, 56)` looks like.

```
.text, #text, p{  
    color:rgb(111, 125, 56)  
}
```

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(111, 125, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 125, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.956, 114.640 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(111, 125, 56) }
```

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

```
.border{ border-color:rgb(111, 125, 56) }
```

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

Here you see how a box with a 4 pixel rgb(111, 125, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 125, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 125, 56);  
box-shadow:4px 4px 4px 4px rgb(111, 125,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.956, 114.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 125, 56) }
```

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

```
.background{ background-color: rgb(111,  
125, 56) }
```

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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