

Converting Colors

CIELCh(50, 37.935, 112.089)

Have a look what the booklet for
CIELCh(50, 37.935, 112.089)
contains.

CIELCh(50, 37.653, 111.595)	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(50, 37.653, 111.595)

Conversions

Conversions Part 1

Format	Color
Hex	737C39
RGB	115, 124, 57
RGB Percent	45%, 49%, 22%
CMY	0.5483, 0.5130, 0.7758
CMYK	0.07, 0.00, 0.54, 0.51
HSL	68°, 37%, 36%
HSV	68°, 54%, 49%
XYZ	15.0706, 18.4187, 6.6553
YIQ	113.6710, 16.1430, -22.7450

Conversions

Conversions Part 2

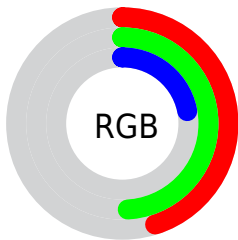
Format	Color
RYB	57, 124, 66
Decimal	7568441
CIELab	50.00, -13.86, 35.01
CIELCh	50, 37.653, 111.595
Yxy	18.4187, 0.3754, 0.4588
Android (android.graphics.Color)	4285758521 (0xFF737C39)
YUV	113.6710, -27.9388, 1.1655
Hunter-Lab	42.9170, -12.4230, 20.8475

Details

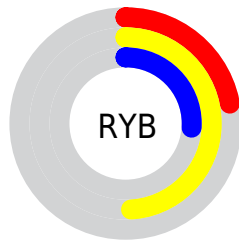
The CIELCh color **50, 37.653, 111.595** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **28, 43.219, 301.194**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 37.511, 111.561**, and **30, 37.439, 111.255** is the 20% darker color. If you saturate the color by 10%, you get **50, 43.676, 111.052**, and if you desaturate by 10%, it is **50, 31.127, 112.244**.

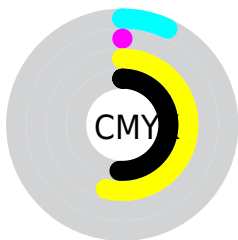
Distribution



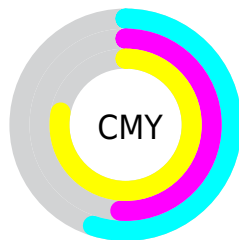
- Red (45%)
- Green (49%)
- Blue (22%)



- Red (22%)
- Yellow (49%)
- Blue (26%)



- Cyan (7%)
- Magenta (0%)
- Yellow (54%)
- Black (51%)





- Cyan (55%)
- Magenta (51%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 37.653, 111.595 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, 37.653, 111.595 by changing the saturation by 10% instead.


 50, 37.653,
111.595


 50, 37.653,
111.595


 100, 37.653,
111.595


 40, 37.653,
111.595


 70, 37.653,
111.595

 30, 37.653,
111.595


 80, 37.653,
111.595


 20, 37.653,
111.595

 90, 37.653,
111.595

 10, 37.653,
111.595

 0, 37.653, 111.595

 50, 37.653,
111.595

 50, 37.653,
111.595

■ 50, 43.676,
111.052

■ 50, 31.127,
112.244

■ 50, 48.940,
110.664

■ 51, 24.279,
112.951

■ 49, 53.138,
110.501

■ 51, 17.234,
113.686

■ 49, 56.024,
110.618

■ 51, 10.074,
114.427

■ 49, 57.549,
110.724

■ 52, 2.857, 115.158

■ 52, 4.380, 295.878

■ 53, 11.612,
296.565

■ 54, 18.817,
297.222

■ 54, 25.982,
297.845

Harmonies

Complementary

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



50, 37.653, 111.595



28, 43.219, 301.194

Rectangle

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



50, 37.653, 111.595



50, 37.653, 161.595



50, 37.653, 291.595



50, 37.653, 341.595

Sweetspot

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



50, 37.654, 111.597



65, 14.246, 114.248



35, 29.194, 34.550



34, 9.689, 114.124



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, 37.654, 111.597



63, 54.406, 110.935



48, 42.064, 131.122



26, 4.020, 114.788



49, 57.801, 110.728



94, 97.416, 111.135

Inverse Universe

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



28, 43.219, 301.194



31, 65.336, 303.039



32, 44.211, 315.800



23, 4.101, 296.143



13, 78.038, 306.971



33, 131.916, 306.701

Previews

White Background



This preview shows how the CIE LCh color 50, 37.653, 111.595 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, 37.653, 111.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

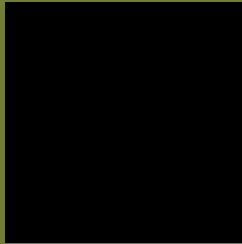
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 37.653, 111.595

Background



This preview shows how black text looks on a background with the CIELCh color 50, 37.653, 111.595.



This preview shows how white text looks on a background with the CIELCh color 50, 37.653, 111.595.

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, 37.653, 111.595

Protanopia
50, 36.124, 95.652

Deuteranopia
50, 34.646, 79.090



Tritanopia
50, 5.809, 314.931

Trichromacy



Original Color
50, 37.653, 111.595

Protanomaly
50, 36.575, 101.669

Deuteranomaly
50, 34.192, 91.340

Tritanomaly
50, 11.041, 108.719

Monochromacy



Original Color
50, 37.653, 111.595

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 14.664, 114.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 37.653, 111.595 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, 124, 57)` looks like.

```
.text, #text, p{  
    color:rgb(115, 124, 57)  
}
```

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, 124, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 124, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 37.653, 111.595 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, 124, 57) }
```

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

```
.border{ border-color:rgb(115, 124, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 124, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 124, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 124, 57);  
box-shadow:4px 4px 4px 4px rgb(115, 124,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 37.653, 111.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 124, 57) }
```

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

```
.background{ background-color: rgb(115,  
124, 57) }
```

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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