

Converting Colors

CIELCh(57, 50.946, 120.030)

Have a look what the booklet for
CIELCh(57, 50.946, 120.030)
contains.

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Color

CIELCh(57, 50.833, 120.137)

Conversions

Conversions Part 1

Format	Color
Hex	749337
RGB	116, 147, 55
RGB Percent	45%, 58%, 22%
CMY	0.5444, 0.4228, 0.7837
CMYK	0.21, 0.00, 0.63, 0.42
HSL	80°, 45%, 40%
HSV	80°, 63%, 58%
XYZ	18.3791, 24.9227, 7.4770
YIQ	127.2430, 11.0560, -35.1840

Conversions

Conversions Part 2

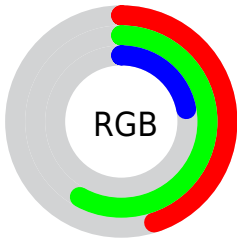
Format	Color
RYB	55, 147, 86
Decimal	7639863
CIELab	57.00, -25.52, 43.96
CIELCh	57, 50.833, 120.137
Yxy	24.9227, 0.3619, 0.4908
Android (android.graphics.Color)	4285829943 (0xFF749337)
YUV	127.2430, -35.6158, -9.8601
Hunter-Lab	49.9226, -21.6496, 26.0659

Details

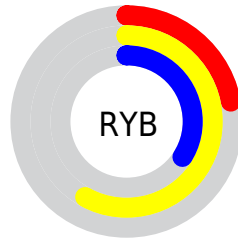
The CIELCh color $57, 50.833, 120.137$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $31, 58.082, 307.579$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 50.705, 120.215$, and $37, 50.187, 120.497$ is the 20% darker color. If you saturate the color by 10%, you get $57, 57.299, 120.006$, and if you desaturate by 10%, it is $57, 43.537, 120.472$.

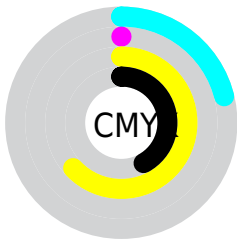
Distribution



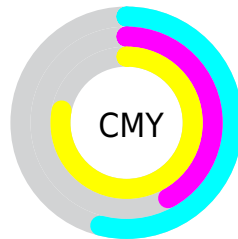
- Red (45%)
- Green (58%)
- Blue (22%)



- Red (22%)
- Yellow (58%)
- Blue (34%)



- Cyan (21%)
- Magenta (0%)
- Yellow (63%)
- Black (42%)





- Cyan (54%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 50.833, 120.137 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 57, 50.833, 120.137 by changing the saturation by 10% instead.


 57, 50.833,
120.137


 57, 50.833,
120.137


 100, 50.833,
120.137


 47, 50.833,
120.137


 77, 50.833,
120.137

 37, 50.833,
120.137

 87, 50.833,
120.137

 27, 50.833,
120.137

 97, 50.833,
120.137

 17, 50.833,
120.137

 7, 50.833, 120.137

 0, 50.833, 120.137

■ 57, 50.833,
120.137

■ 57, 50.833,
120.137

■ 57, 57.299,
120.006

■ 57, 43.537,
120.472

■ 56, 62.579,
120.177

■ 58, 35.696,
120.927

■ 56, 66.346,
120.757

■ 59, 27.515,
121.444

■ 56, 68.509,
121.343

■ 59, 19.136,
121.987

■ 60, 10.654,
122.531

■ 61, 2.135, 123.077

■ 62, 6.373, 303.549

■ 62, 14.839,
304.026

■ 63, 23.238,
304.468

Harmonies

Complementary

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



57, 50.833, 120.137



31, 58.082, 307.579

Rectangle

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



57, 50.833, 120.137



57, 50.833, 170.137



57, 50.833, 300.137



57, 50.833, 350.137

Sweetspot

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



57, 50.834, 120.139



76, 20.009, 122.158



43, 36.254, 51.868



40, 13.871, 122.015



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



57, 50.834, 120.139



72, 72.295, 120.032



55, 58.357, 135.940



31, 4.827, 122.709



52, 65.228, 121.252



2, 4.234, 123.182

Inverse Universe

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



31, 58.082, 307.579



35, 85.756, 308.539



37, 59.122, 322.264



29, 4.911, 303.675



18, 81.349, 309.075



0, 4.235, 303.181

Previews

White Background



This preview shows how the CIELCh color 57, 50.833, 120.137 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 CIELCh color 57, 50.833, 120.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

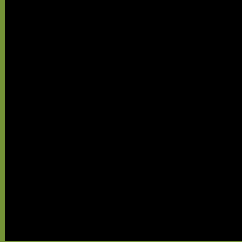
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 50.833, 120.137

Background



This preview shows how black text looks on a background with the CIELCh color 57, 50.833, 120.137.



This preview shows how white text looks on a background with the CIELCh color 57, 50.833, 120.137.

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
57, 50.833, 120.137

Protanopia
57, 46.381, 95.978

Deuteranopia
57, 43.352, 80.419



Tritanopia
57, 7.217, 259.871

Trichromacy



Original Color
57, 50.833, 120.137

Protanomaly
57, 47.067, 105.704

Deuteranomaly
56, 43.088, 96.343

Tritanomaly
57, 16.326, 133.473

Monochromacy



Original Color
57, 50.833, 120.137

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 19.360, 121.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 50.833, 120.137 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(116, 147, 55)` looks like.

```
.text, #text, p{  
    color:rgb(116, 147, 55)  
}
```

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(116, 147, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 147, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 50.833, 120.137 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(116, 147, 55) }
```

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

```
.border{ border-color:rgb(116, 147, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 147, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 147, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 147, 55);  
box-shadow:4px 4px 4px 4px rgb(116, 147,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 50.833, 120.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 147, 55) }
```

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

```
.background{ background-color: rgb(116,  
147, 55) }
```

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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