

Converting Colors

CIELCh(57, 40.039, 109.946)

Have a look what the booklet for
CIELCh(57, 40.039, 109.946)
contains.

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Color

CIELCh(57, 40.039, 109.946)

Conversions

Conversions Part 1

Format	Color
Hex	878E45
RGB	135, 142, 69
RGB Percent	53%, 56%, 27%
CMY	0.4706, 0.4432, 0.7294
CMYK	0.05, 0.00, 0.51, 0.44
HSL	66°, 35%, 41%
HSV	66°, 51%, 56%
XYZ	20.7354, 24.9227, 9.3464
YIQ	131.5850, 19.2610, -24.1870

Conversions

Conversions Part 2

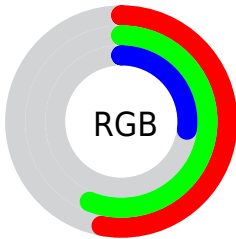
Format	Color
RYB	69, 142, 76
Decimal	8883781
CIELab	57.00, -13.66, 37.64
CIELCh	57, 40.039, 109.946
Yxy	24.9227, 0.3770, 0.4531
Android (android.graphics.Color)	4287073861 (0xFF878E45)
YUV	131.5850, -30.8544, 2.9950
Hunter-Lab	49.9226, -13.2244, 23.8457

Details

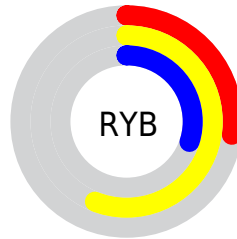
The CIELCh color $57, 40.039, 109.946$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $33, 45.809, 299.905$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 40.357, 109.949$, and $37, 40.158, 110.158$ is the 20% darker color. If you saturate the color by 10%, you get $57, 46.849, 109.315$, and if you desaturate by 10%, it is $57, 32.702, 110.672$.

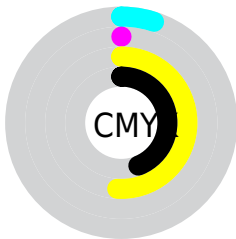
Distribution



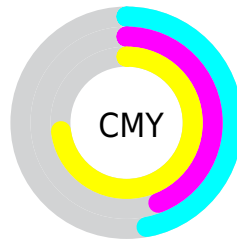
- Red (53%)
- Green (56%)
- Blue (27%)



- Red (27%)
- Yellow (56%)
- Blue (30%)



- Cyan (5%)
- Magenta (0%)
- Yellow (51%)
- Black (44%)





- Cyan (47%)
- Magenta (44%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 40.039, 109.946 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, 40.039, 109.946 by changing the saturation by 10% instead.


 57, 40.039,
109.946


 57, 40.039,
109.946


 100, 40.039,
109.946


 47, 40.039,
109.946


 77, 40.039,
109.946

 37, 40.039,
109.946

 87, 40.039,
109.946

 27, 40.039,
109.946

 97, 40.039,
109.946

 17, 40.039,
109.946

 7, 40.039, 109.946

 0, 40.039, 109.946

■ 57, 40.039,
109.946

■ 57, 40.039,
109.946

■ 57, 46.849,
109.315

■ 57, 32.702,
110.672

■ 57, 52.850,
108.820

■ 58, 25.030,
111.446

■ 56, 57.697,
108.525

■ 58, 17.158,
112.245

■ 56, 61.053,
108.488

■ 58, 9.172, 113.046

■ 56, 63.071,
108.600

■ 59, 1.130, 113.820

■ 59, 6.929, 294.612

■ 60, 14.977,
295.352

■ 61, 22.995,
296.060

■ 61, 30.968,
296.732

Harmonies

Complementary

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



57, 40.039, 109.946



33, 45.809, 299.905

Rectangle

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



57, 40.039, 109.946



57, 40.039, 159.946



57, 40.039, 289.946



57, 40.039, 339.946

Sweetspot

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



57, 40.040, 109.948



74, 14.856, 112.734



40, 31.971, 30.615



38, 10.094, 112.586



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



57, 40.040, 109.948



72, 58.049, 109.209



55, 44.185, 129.612



30, 4.560, 113.223



54, 60.844, 108.575



2, 3.094, 113.948

Inverse Universe

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



33, 45.809, 299.905



37, 69.402, 301.847



37, 46.808, 314.178



28, 4.656, 294.720



15, 82.925, 306.707



0, 3.095, 293.948

Previews

White Background



This preview shows how the CIELCh color 57, 40.039, 109.946 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, 40.039, 109.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

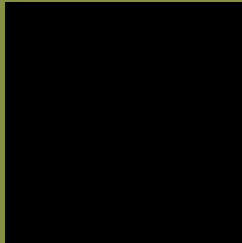
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 40.039, 109.946

Background



This preview shows how black text looks on a background with the CIELCh color 57, 40.039, 109.946.



This preview shows how white text looks on a background with the CIELCh color 57, 40.039, 109.946.

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

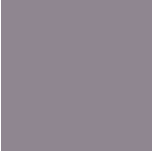
57, 40.039, 109.946

Protanopia

57, 39.160, 96.075

Deuteranopia

57, 37.438, 78.165



Tritanopia
57, 6.726, 322.013

Trichromacy



Original Color
57, 40.039, 109.946

Protanomaly
57, 39.110, 101.493

Deuteranomaly
57, 36.651, 89.883

Tritanomaly
57, 11.410, 102.560

Monochromacy



Original Color
57, 40.039, 109.946

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 15.382, 113.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 40.039, 109.946 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(135, 142, 69)` looks like.

```
.text, #text, p{  
    color:rgb(135, 142, 69)  
}
```

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(135, 142, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 142, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 40.039, 109.946 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(135, 142, 69) }
```

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

```
.border{ border-color:rgb(135, 142, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 142, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 142, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 142, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 142,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 40.039, 109.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 142, 69) }
```

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

```
.background{ background-color: rgb(135,  
142, 69) }
```

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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