

Converting Colors

CIELCh(57, 47.029, 140.964)

Have a look what the booklet for
CIELCh(57, 47.029, 140.964)
contains.

CIELCh(57, 47.029, 140.964)	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(57, 47.029, 140.964)

Conversions

Conversions Part 1

Format	Color
Hex	539853
RGB	83, 152, 83
RGB Percent	33%, 60%, 33%
CMY	0.6745, 0.4039, 0.6745
CMYK	0.45, 0.00, 0.45, 0.40
HSL	120°, 29%, 46%
HSV	120°, 45%, 60%
XYZ	16.3588, 24.9227, 12.1332
YIQ	123.5030, -18.9750, -36.0870

Conversions

Conversions Part 2

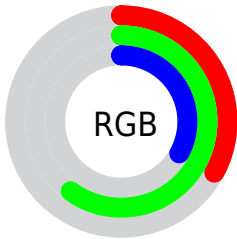
Format	Color
R_{YB}	83, 152, 152
Decimal	5478483
CIE _{Lab}	57.00, -36.53, 29.62
CIE _{LCh}	57, 47.029, 140.964
Yxy	24.9227, 0.3063, 0.4666
Android (android.graphics.Color)	4283668563 (0xFF539853)
YUV	123.5030, -19.9680, -35.5211
Hunter-Lab	49.9226, -28.8733, 20.5360

Details

The CIELCh color $57, 47.029, 140.964$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $46, 46.877, 326.781$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 47.019, 141.248$, and $37, 46.764, 141.072$ is the 20% darker color. If you saturate the color by 10%, you get $56, 56.388, 139.899$, and if you desaturate by 10%, it is $58, 37.026, 141.933$.

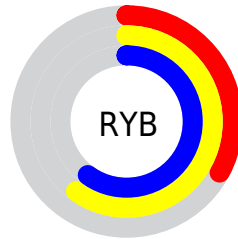
Distribution



Red (33%)

Green (60%)

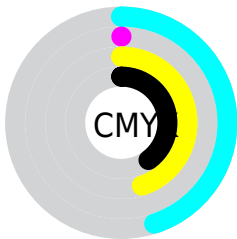
Blue (33%)



Red (33%)

Yellow (60%)

Blue (60%)

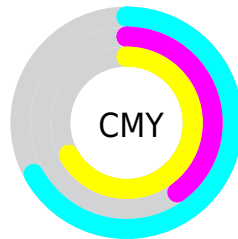


Cyan (45%)

Magenta (0%)

Yellow (45%)

Black (40%)



Cyan (67%)


Magenta (40%)

Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 47.029, 140.964 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, 47.029, 140.964 by changing the saturation by 10% instead.

 57, 47.029,
140.964


 57, 47.029,
140.964

 100, 47.029,
140.964


 47, 47.029,
140.964


 77, 47.029,
140.964

 37, 47.029,
140.964

 87, 47.029,
140.964

 27, 47.029,
140.964

 97, 47.029,
140.964

 17, 47.029,
140.964

 7, 47.029, 140.964

 0, 47.029, 140.964

■ 57, 47.029,
140.964

■ 57, 47.029,
140.964

■ 56, 56.388,
139.899

■ 58, 37.026,
141.933

■ 56, 64.763,
138.787

■ 59, 26.651,
142.787

■ 55, 71.767,
137.721

■ 60, 16.125,
143.528

■ 55, 76.998,
136.833

■ 62, 5.613, 144.181

■ 55, 80.216,
136.244

■ 64, 4.763, 324.633

■ 55, 81.415,
136.016

■ 65, 14.919,
325.115

■ 67, 24.802,
325.504

■ 69, 34.381,
325.833

■ 71, 43.642,
326.112

Harmonies

Complementary

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



57, 47.029, 140.964



46, 46.877, 326.781

Rectangle

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



57, 47.029, 140.964



57, 47.029, 190.964



57, 47.029, 320.964



57, 47.029, 10.964

Sweetspot

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



57, 47.030, 140.964



77, 18.057, 143.605



61, 37.585, 105.946



40, 12.576, 143.467



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 47.030, 140.964



71, 67.771, 139.937



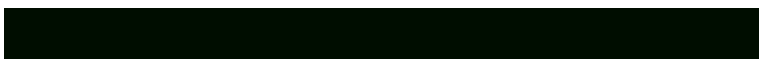
58, 32.236, 159.148



32, 5.931, 143.936



50, 76.768, 136.016



3, 6.385, 144.444

Inverse Universe

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



46, 46.877, 326.781



55, 67.287, 327.199



44, 33.915, 348.204



30, 5.940, 324.913



33, 74.068, 328.233



1, 6.386, 324.439

Previews

White Background



This preview shows how the CIELCh color 57, 47.029, 140.964 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, 47.029, 140.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

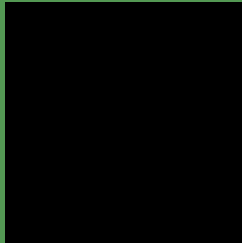
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 47.029, 140.964

Background



This preview shows how black text looks on a background with the CIELCh color 57, 47.029, 140.964.



This preview shows how white text looks on a background with the CIELCh color 57, 47.029, 140.964.

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, 47.029, 140.964

Protanopia
57, 33.476, 96.056

Deuteranopia
57, 28.642, 74.907



Tritanopia
57, 16.652, 220.395

Trichromacy



Original Color
57, 47.029, 140.964

Protanomaly
56, 35.656, 118.074

Deuteranomaly
56, 29.126, 109.260

Tritanomaly
57, 22.496, 170.060

Monochromacy



Original Color
57, 47.029, 140.964

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 17.646, 143.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 47.029, 140.964 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(83, 152, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 152, 83)  
}
```

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(83, 152, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 152, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 47.029, 140.964 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(83, 152, 83) }
```

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

```
.border{ border-color:rgb(83, 152, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 152, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 152, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 152, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 152,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 47.029, 140.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 152, 83) }
```

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

```
.background{ background-color: rgb(83, 152,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor