

Converting Colors

CIELCh(54, 38.564, 140.440)

Have a look what the booklet for
CIELCh(54, 38.564, 140.440)
contains.

CIELCh(54, 38.947, 140.332)	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(54, 38.947, 140.332)

Conversions

Conversions Part 1

Format	Color
Hex	588E55
RGB	88, 142, 85
RGB Percent	35%, 56%, 33%
CMY	0.6560, 0.4442, 0.6677
CMYK	0.38, 0.00, 0.40, 0.44
HSL	117°, 25%, 44%
HSV	117°, 40%, 56%
XYZ	15.2584, 21.9746, 11.9771
YIQ	119.3560, -13.8870, -29.1750

Conversions

Conversions Part 2

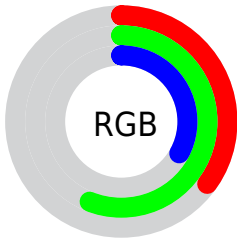
Format	Color
RYB	85, 142, 139
Decimal	5803605
CIELab	54.00, -29.98, 24.86
CIElCh	54, 38.947, 140.332
Yxy	21.9746, 0.3101, 0.4465
Android (android.graphics.Color)	4283993685 (0xFF588E55)
YUV	119.3560, -16.9375, -27.4992
Hunter-Lab	46.8770, -23.9331, 17.6653

Details

The CIELCh color $54, 38.947, 140.332$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $44, 39.035, 324.986$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 39.091, 140.289$, and $34, 39.110, 140.269$ is the 20% darker color. If you saturate the color by 10%, you get $53, 48.068, 139.427$, and if you desaturate by 10%, it is $55, 29.414, 141.152$.

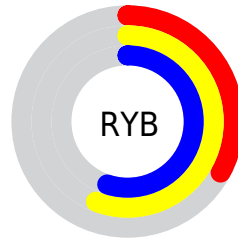
Distribution



Red (35%)

Green (56%)

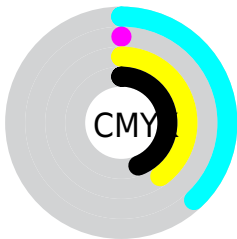
Blue (33%)



Red (33%)

Yellow (56%)

Blue (55%)

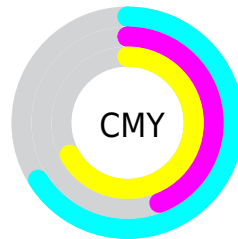


Cyan (38%)

Magenta (0%)

Yellow (40%)

Black (44%)



Cyan (66%)


Magenta (44%)


Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 38.947, 140.332 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 54, 38.947, 140.332 by changing the saturation by 10% instead.


 54, 38.947,
140.332

 54, 38.947,
140.332


 100, 38.947,
140.332


 44, 38.947,
140.332


 74, 38.947,
140.332

 34, 38.947,
140.332

 84, 38.947,
140.332

 24, 38.947,
140.332

 94, 38.947,
140.332

 14, 38.947,
140.332

 4, 38.947, 140.332

 0, 38.947, 140.332

■ 54, 38.947,
140.332

■ 54, 38.947,
140.332

■ 53, 48.068,
139.427

■ 55, 29.414,
141.152

■ 52, 56.508,
138.470

■ 56, 19.676,
141.876

■ 52, 63.939,
137.530

■ 57, 9.896, 142.509

■ 51, 69.984,
136.714

■ 59, 0.192, 144.018

■ 60, 9.351, 323.460

■ 51, 74.283,
136.149

■ 62, 18.674,
323.858

■ 51, 77.035,
135.717

■ 64, 27.744,
324.191

■ 66, 36.540,
324.474

■ 68, 45.055,
324.714

Harmonies

Complementary

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



54, 38.947, 140.332



44, 39.035, 324.986

Rectangle

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



54, 38.947, 140.332



54, 38.947, 190.332



54, 38.947, 320.332



54, 38.947, 10.332

Sweetspot

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



54, 38.948, 140.332



73, 14.390, 142.385



57, 29.783, 103.349



38, 9.516, 142.318



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



54, 38.948, 140.332



68, 56.870, 139.539



54, 28.689, 156.541



30, 5.505, 142.569



49, 74.407, 135.700



2, 3.704, 143.036

Inverse Universe

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



44, 39.035, 324.986



53, 56.899, 325.359



43, 29.602, 343.750



28, 5.518, 323.470



30, 72.298, 326.230



1, 3.705, 323.032

Previews

White Background



This preview shows how the CIELCh color 54, 38.947, 140.332 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 54, 38.947, 140.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

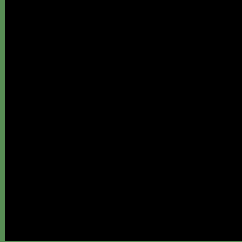
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 38.947, 140.332

Background



This preview shows how black text looks on a background with the CIELCh color 54, 38.947, 140.332.



This preview shows how white text looks on a background with the CIELCh color 54, 38.947, 140.332.

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


54, 38.947, 140.332

Protanopia

54, 28.224, 96.551

Deuteranopia

54, 23.974, 73.456



Tritanopia
54, 13.746, 223.264

Trichromacy



Original Color
54, 38.947, 140.332

Protanomaly
54, 29.819, 117.563

Deuteranomaly
53, 24.423, 108.137

Tritanomaly
54, 17.911, 170.767

Monochromacy



Original Color
54, 38.947, 140.332

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 14.008, 142.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 38.947, 140.332 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(88, 142, 85)` looks like.

```
.text, #text, p{  
    color:rgb(88, 142, 85)  
}
```

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(88, 142, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 142, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 38.947, 140.332 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(88, 142, 85) }
```

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

```
.border{ border-color:rgb(88, 142, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 142, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 142, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 142, 85);  
box-shadow:4px 4px 4px 4px rgb(88, 142,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 38.947, 140.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 142, 85) }
```

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

```
.background{ background-color: rgb(88, 142,  
85) }
```

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