

Converting Colors

CIELCh(54, 65.477, 117.948)

Have a look what the booklet for
CIELCh(54, 65.477, 117.948)
contains.

CIELCh(54, 65.066, 118.078)	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, 65.066, 118.078)

Conversions

Conversions Part 1

Format	Color
Hex	678D00
RGB	103, 141, 0
RGB Percent	40%, 55%, 0%
CMY	0.5956, 0.4466, 0.9991
CMYK	0.27, 0.00, 1.00, 0.45
HSL	76°, 100%, 28%
HSV	76°, 100%, 55%
XYZ	15.1500, 21.9746, 3.4490
YIQ	113.5640, 22.6130, -51.9070

Conversions

Conversions Part 2

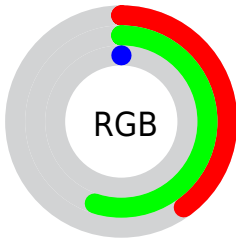
Format	Color
RYB	0, 141, 38
Decimal	6786304
CIELab	54.00, -30.62, 57.41
CIElCh	54, 65.066, 118.078
Yxy	21.9746, 0.3734, 0.5416
Android (android.graphics.Color)	4284976384 (0xFF678D00)
YUV	113.5640, -55.9871, -9.2646
Hunter-Lab	46.8770, -24.3460, 28.4516

Details

The CIELCh color **54, 65.066, 118.078** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **17, 83.721, 308.132**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 65.270, 118.108**, and **34, 50.066, 125.148** is the 20% darker color. If you saturate the color by 10%, you get **54, 65.109, 118.089**, and if you desaturate by 10%, it is **54, 62.292, 117.448**.

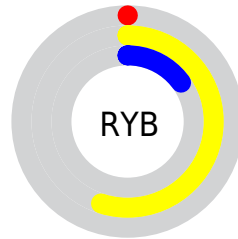
Distribution



Red (40%)

Green (55%)

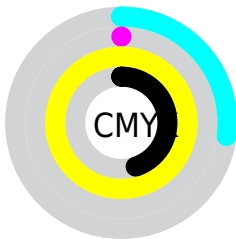
Blue (0%)



Red (0%)

Yellow (55%)

Blue (15%)

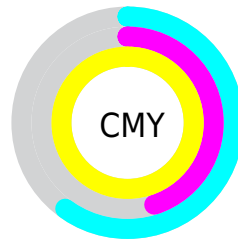


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (60%)


Magenta (45%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 65.066, 118.078 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, 65.066, 118.078 by changing the saturation by 10% instead.


 54, 65.066,
118.078


 54, 65.066,
118.078


 100, 65.066,
118.078

 44, 65.066,
118.078


 74, 65.066,
118.078

 34, 65.066,
118.078

 84, 65.066,
118.078

 24, 65.066,
118.078

 94, 65.066,
118.078

 14, 65.066,
118.078

 4, 65.066, 118.078

 0, 65.066, 118.078

■ 54, 65.066,
118.078

■ 54, 65.066,
118.078

■ 54, 65.109,
118.089

■ 54, 62.292,
117.448

■ 55, 58.362,
117.098

■ 55, 53.041,
117.102

■ 55, 46.669,
117.362

■ 56, 39.573,
117.790

■ 56, 32.008,
118.317

■ 57, 24.152,
118.895

■ 57, 16.126,

119.494

■ 58, 8.012, 120.091

Harmonies

Complementary

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



54, 65.066, 118.078



17, 83.721, 308.132

Rectangle

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



54, 65.066, 118.078



54, 65.066, 168.078



54, 65.066, 298.078



54, 65.066, 348.078

Sweetspot

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



54, 65.066, 118.080



72, 30.081, 118.848



32, 61.142, 46.419



37, 20.401, 118.632



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, 65.066, 118.080



69, 79.146, 118.374



51, 75.013, 133.986



30, 4.640, 120.130



52, 63.079, 118.035



2, 3.145, 120.657

Inverse Universe

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



17, 83.721, 308.132



24, 101.965, 307.958



27, 76.099, 319.728



28, 4.726, 301.210



16, 81.182, 308.175



0, 3.145, 300.656

Previews

White Background



This preview shows how the CIELCh color 54, 65.066, 118.078 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, 65.066, 118.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

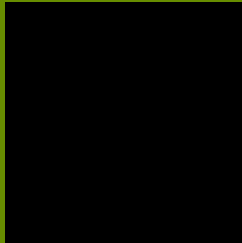
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 65.066, 118.078

Background



This preview shows how black text looks on a background with the CIELCh color 54, 65.066, 118.078.



This preview shows how white text looks on a background with the CIELCh color 54, 65.066, 118.078.

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

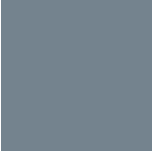
54, 65.066, 118.078

Protanopia

54, 58.999, 95.371

Deuteranopia

54, 54.095, 82.711



Tritanopia
54, 8.318, 248.956

Trichromacy



Original Color
54, 65.066, 118.078

Protanomaly
54, 59.792, 104.212

Deuteranomaly
53, 55.519, 97.310

Tritanomaly
53, 27.503, 128.742

Monochromacy



Original Color
54, 65.066, 118.078

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 29.722, 118.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 65.066, 118.078 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(103, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 141, 0)  
}
```

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(103, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 141, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 65.066, 118.078 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(103, 141, 0) }
```

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

```
.border{ border-color:rgb(103, 141, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 141,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 65.066, 118.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 141, 0) }
```

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

```
.background{ background-color: rgb(103,  
141, 0) }
```

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