

Converting Colors

CIELCh(54, 33.643, 158.443)

Have a look what the booklet for
CIELCh(54, 33.643, 158.443)
contains.

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Color

CIELCh(54, 33.742, 158.532)

Conversions

Conversions Part 1

Format	Color
Hex	478F6B
RGB	71, 143, 107
RGB Percent	28%, 56%, 42%
CMY	0.7223, 0.4400, 0.5811
CMYK	0.50, 0.00, 0.25, 0.44
HSL	150°, 34%, 42%
HSV	150°, 50%, 56%
XYZ	15.0203, 21.9746, 17.3079
YIQ	117.3680, -31.3560, -26.4600

Conversions

Conversions Part 2

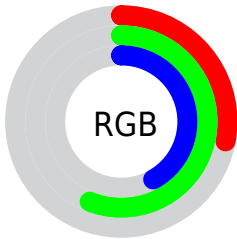
Format	Color
R_{YB}	71, 119, 143
Decimal	4689771
CIE _{Lab}	54.00, -31.40, 12.35
CIE _{LCh}	54, 33.742, 158.532
Yxy	21.9746, 0.2766, 0.4047
Android (android.graphics.Color)	4282879851 (0xFF478F6B)
YUV	117.3680, -5.1114, -40.6647
Hunter-Lab	46.8770, -24.8401, 10.9229

Details

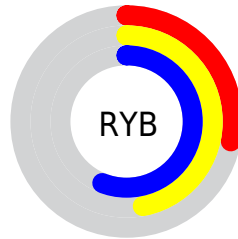
The CIELCh color **54, 33.742, 158.532** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **40, 35.601, 348.874**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 33.770, 158.347**, and **34, 33.589, 158.909** is the 20% darker color. If you saturate the color by 10%, you get **53, 39.585, 157.099**, and if you desaturate by 10%, it is **55, 27.474, 159.799**.

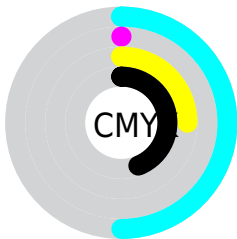
Distribution



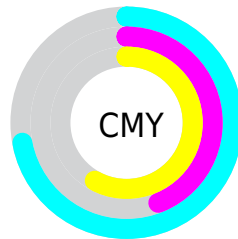
- Red (28%)
- Green (56%)
- Blue (42%)



- Red (28%)
- Yellow (47%)
- Blue (56%)



- Cyan (50%)
- Magenta (0%)
- Yellow (25%)
- Black (44%)





- Cyan (72%)
- Magenta (44%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 33.742, 158.532 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, 33.742, 158.532 by changing the saturation by 10% instead.


 54, 33.742,
158.532


 54, 33.742,
158.532


 100, 33.742,
158.532


 44, 33.742,
158.532


 74, 33.742,
158.532

 34, 33.742,
158.532

 84, 33.742,
158.532

 24, 33.742,
158.532

 94, 33.742,
158.532

 14, 33.742,
158.532

 4, 33.742, 158.532

 0, 33.742, 158.532

■ 54, 33.742,
158.532

■ 54, 33.742,
158.532

■ 53, 39.585,
157.099

■ 55, 27.474,
159.799

■ 53, 44.903,
155.482

■ 56, 20.890,
160.925

■ 52, 49.623,
153.665

■ 57, 14.101,
161.934

■ 52, 53.718,
151.649

■ 58, 7.204, 162.855

■ 52, 57.211,
149.668

■ 59, 0.285, 164.735

■ 61, 6.589, 344.320

■ 62, 13.366,
345.027

■ 64, 20.009,
345.666

■ 66, 26.493,
346.258

Harmonies

Complementary

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



54, 33.742, 158.532



40, 35.601, 348.874

Rectangle

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



54, 33.742, 158.532



54, 33.742, 208.532



54, 33.742, 338.532



54, 33.742, 28.532

Sweetspot

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



54, 33.743, 158.531



73, 12.873, 162.412



55, 42.580, 126.802



38, 8.849, 162.237



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



54, 33.743, 158.531



68, 49.385, 156.810



55, 23.460, 197.202



30, 3.903, 162.966



49, 54.825, 149.795



2, 2.639, 163.665

Inverse Universe

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



40, 35.601, 348.874



48, 52.144, 350.779



39, 33.512, 24.922



28, 3.950, 344.353



28, 52.993, 0.819



1, 2.639, 343.655

Previews

White Background



This preview shows how the CIELCh color 54, 33.742, 158.532 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, 33.742, 158.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

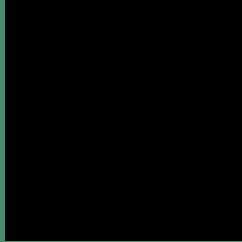
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 33.742, 158.532

Background



This preview shows how black text looks on a background with the CIELCh color 54, 33.742, 158.532.



This preview shows how white text looks on a background with the CIELCh color 54, 33.742, 158.532.

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, 33.742, 158.532

Protanopia
54, 16.514, 94.529

Deuteranopia
54, 12.382, 57.037



Tritanopia
54, 19.043, 217.425

Trichromacy



Original Color
54, 33.742, 158.532

Protanomaly
53, 19.632, 132.968

Deuteranomaly
53, 13.595, 129.936

Tritanomaly
54, 21.500, 187.967

Monochromacy



Original Color
54, 33.742, 158.532

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 12.862, 161.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 33.742, 158.532 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(71, 143, 107)` looks like.

```
.text, #text, p{  
    color:rgb(71, 143, 107)  
}
```

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(71, 143, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 143, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 33.742, 158.532 is called "border". The border property can be set on classes, ids or directly on the HTML element.

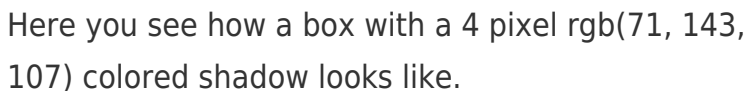
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 143, 107) }
```

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

```
.border{ border-color:rgb(71, 143, 107) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 143, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 143, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 143, 107);  
box-shadow:4px 4px 4px 4px rgb(71, 143,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 33.742, 158.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 143, 107) }
```

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

```
.background{ background-color: rgb(71, 143,  
107) }
```

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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