

Converting Colors

CIELCh(54, 13.540, 180.212)

Have a look what the booklet for
CIELCh(54, 13.540, 180.212)
contains.

CIELCh(54, 13.489, 180.593)	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, 13.489, 180.593)

Conversions

Conversions Part 1

Format	Color
Hex	668881
RGB	102, 136, 129
RGB Percent	40%, 53%, 51%
CMY	0.6004, 0.4671, 0.4946
CMYK	0.25, 0.00, 0.05, 0.47
HSL	168°, 14%, 47%
HSV	168°, 25%, 53%
XYZ	18.2084, 21.9746, 24.0097
YIQ	125.0360, -18.0170, -9.3850

Conversions

Conversions Part 2

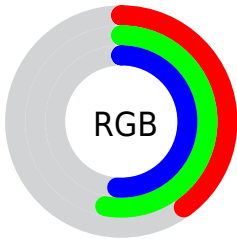
Format	Color
RYB	102, 121, 136
Decimal	6719617
CIELab	54.00, -13.49, -0.14
CIElCh	54, 13.489, 180.593
Yxy	21.9746, 0.2837, 0.3423
Android (android.graphics.Color)	4284909697 (0xFF668881)
YUV	125.0360, 1.9543, -20.2026
Hunter-Lab	46.8770, -12.7001, 2.4465

Details

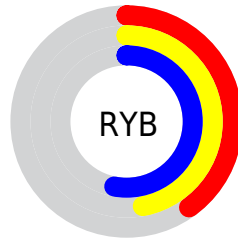
The CIELCh color **54, 13.489, 180.593** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **47, 14.865, 5.346**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 13.173, 181.619**, and **34, 13.297, 181.047** is the 20% darker color. If you saturate the color by 10%, you get **53, 18.459, 179.597**, and if you desaturate by 10%, it is **55, 8.238, 181.536**.

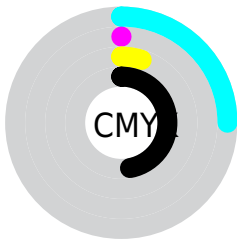
Distribution



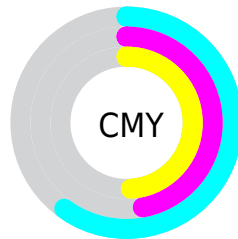
- Red (40%)
- Green (53%)
- Blue (51%)



- Red (40%)
- Yellow (47%)
- Blue (53%)



- Cyan (25%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)





- Cyan (60%)
- Magenta (47%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 13.489, 180.593 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, 13.489, 180.593 by changing the saturation by 10% instead.


 54, 13.489,
180.593


 54, 13.489,
180.593


 100, 13.489,
180.593


 44, 13.489,
180.593


 74, 13.489,
180.593

 34, 13.489,
180.593

 84, 13.489,
180.593

 24, 13.489,
180.593

 94, 13.489,
180.593

 14, 13.489,
180.593

 4, 13.489, 180.593

 0, 13.489, 180.593

■ 54, 13.489,
180.593

■ 54, 13.489,
180.593

■ 53, 18.459,
179.597

■ 55, 8.238, 181.536

■ 52, 23.058,
178.539

■ 56, 2.786, 182.509

■ 52, 27.201,
177.396

■ 57, 2.794, 3.078

■ 51, 30.812,
176.149

■ 59, 8.439, 3.981

■ 51, 33.840,
174.776

■ 60, 14.100, 4.780

■ 51, 36.263,
173.256

■ 61, 19.737, 5.544

■ 50, 38.124,
171.585

■ 63, 25.321, 6.279

■ 50, 38.982,

■ 65, 30.831, 6.990

■ 66, 36.252, 7.677

170.764

Harmonies

Complementary

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



54, 13.489, 180.593



47, 14.865, 5.346

Rectangle

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



54, 13.489, 180.593



54, 13.489, 230.593



54, 13.489, 0.593



54, 13.489, 50.593

Sweetspot

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



54, 13.490, 180.589



71, 5.467, 182.182



54, 22.352, 137.105



37, 3.909, 182.051



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



54, 13.490, 180.589



68, 19.737, 180.037



51, 10.374, 231.539



29, 3.153, 182.086



49, 38.275, 170.811



1, 1.481, 182.813

Inverse Universe

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



47, 14.865, 5.346



57, 22.275, 6.095



49, 12.011, 48.186



27, 3.263, 3.558



27, 56.194, 27.329



0, 1.482, 2.798

Previews

White Background



This preview shows how the CIELCh color 54, 13.489, 180.593 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, 13.489, 180.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

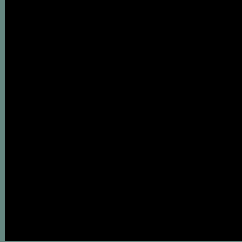
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

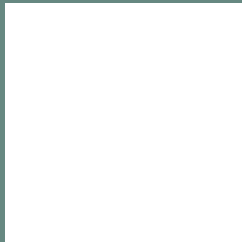
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 13.489, 180.593

Background



This preview shows how black text looks on a background with the CIELCh color 54, 13.489, 180.593.



This preview shows how white text looks on a background with the CIELCh color 54, 13.489, 180.593.

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, 13.489, 180.593

Protanopia
54, 2.346, 66.624

Deuteranopia
54, 6.935, 350.314



Tritanopia
54, 11.733, 228.120

Trichromacy



Original Color
54, 13.489, 180.593

Protanomaly
54, 4.916, 163.103

Deuteranomaly
54, 1.305, 225.849

Tritanomaly
54, 11.472, 210.009

Monochromacy



Original Color
54, 13.489, 180.593

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 5.036, 178.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 13.489, 180.593 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(102, 136, 129)` looks like.

```
.text, #text, p{  
    color:rgb(102, 136, 129)  
}
```

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(102, 136, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 13.489, 180.593 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(102, 136, 129) }
```

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

```
.border{ border-color:rgb(102, 136, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 136, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 129);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 13.489, 180.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 129) }
```

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

```
.background{ background-color: rgb(102,  
136, 129) }
```

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