

Converting Colors

CIELCh(54, 16.507, 105.803)

Have a look what the booklet for
CIELCh(54, 16.507, 105.803)
contains.

CIELCh(54, 16.554, 106.640)	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, 16.554, 106.640)

Conversions

Conversions Part 1

Format	Color
Hex	848366
RGB	132, 131, 102
RGB Percent	52%, 51%, 40%
CMY	0.4837, 0.4876, 0.6013
CMYK	0.00, 0.01, 0.23, 0.48
HSL	58°, 13%, 46%
HSV	58°, 23%, 52%
XYZ	19.9171, 21.9746, 15.6788
YIQ	127.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

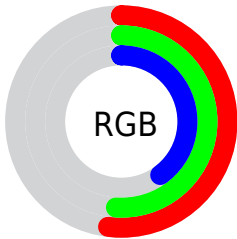
Format	Color
R_{YB}	103, 132, 102
Decimal	8684390
CIE _{Lab}	54.00, -4.74, 15.86
CIE _{LCh}	54, 16.554, 106.640
Yxy	21.9746, 0.3460, 0.3817
Android (android.graphics.Color)	4286874470 (0xFF848366)
YUV	127.9930, -12.8145, 3.5141
Hunter-Lab	46.8770, -6.1937, 12.9834

Details

The CIELCh color $54, 16.554, 106.640$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $44, 17.363, 291.400$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 16.655, 107.207$, and $34, 16.650, 107.283$ is the 20% darker color. If you saturate the color by 10%, you get $54, 23.709, 105.682$, and if you desaturate by 10%, it is $54, 9.308, 107.607$.

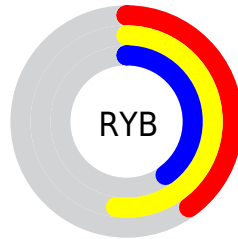
Distribution



Red (52%)

Green (51%)

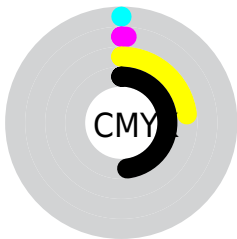
Blue (40%)



Red (40%)

Yellow (52%)

Blue (40%)

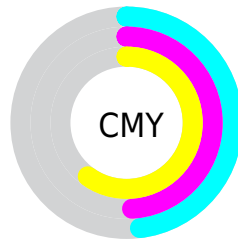


Cyan (0%)

Magenta (1%)

Yellow (23%)

Black (48%)



Cyan (48%)

Magenta (49%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 16.554, 106.640 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, 16.554, 106.640 by changing the saturation by 10% instead.


 54, 16.554,
106.640


 54, 16.554,
106.640


 100, 16.554,
106.640


 44, 16.554,
106.640


 74, 16.554,
106.640

 34, 16.554,
106.640

 84, 16.554,
106.640

 24, 16.554,
106.640

 94, 16.554,
106.640

 14, 16.554,
106.640

 4, 16.554, 106.640

 0, 16.554, 106.640

■ 54, 16.554,
106.640

■ 54, 16.554,
106.640

■ 54, 23.709,
105.682

■ 54, 9.308, 107.607

■ 53, 30.689,
104.736

■ 55, 2.017, 108.539

■ 55, 5.283, 289.510

■ 53, 37.370,
103.826

■ 56, 12.570,
290.408

■ 53, 43.565,
102.977

■ 57, 19.830,
291.277

■ 52, 49.006,
102.219

■ 57, 27.053,
292.110

■ 52, 53.355,
101.583

■ 58, 34.230,
292.903

■ 52, 56.282,
101.091

■ 58, 41.356,
293.656

■ 52, 57.937,

100.784

■ 59, 48.425,
294.367

Harmonies

Complementary

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



54, 16.554, 106.640



44, 17.363, 291.400

Rectangle

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



54, 16.554, 106.640



54, 16.554, 156.640



54, 16.554, 286.640



54, 16.554, 336.640

Sweetspot

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



54, 16.555, 106.645



70, 6.312, 108.140



46, 12.857, 18.418



37, 4.134, 108.096



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



54, 16.555, 106.645



68, 24.236, 106.178



53, 18.156, 126.869



28, 4.134, 107.953



51, 57.424, 100.787



1, 0.994, 108.826

Inverse Universe

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



44, 17.363, 291.400



54, 25.713, 292.075



45, 18.752, 308.972



25, 4.216, 289.757



14, 79.431, 305.681



0, 0.994, 288.827

Previews

White Background



This preview shows how the CIELCh color 54, 16.554, 106.640 looks on a white background.

Color Contrast Check

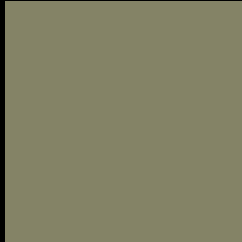
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.554, 106.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

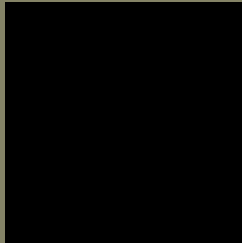
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

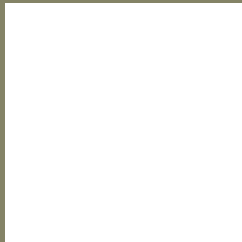
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 16.554, 106.640

Background



This preview shows how black text looks on a background with the CIELCh color 54, 16.554, 106.640.



This preview shows how white text looks on a background with the CIELCh color 54, 16.554, 106.640.

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, 16.554, 106.640

Protanopia

54, 16.391, 96.026

Deuteranopia

54, 16.678, 65.964



Tritanopia
54, 7.011, 324.803

Trichromacy



Original Color
54, 16.554, 106.640

Protanomaly
54, 16.705, 100.717

Deuteranomaly
54, 15.172, 79.545

Tritanomaly
54, 3.330, 63.066

Monochromacy



Original Color
54, 16.554, 106.640

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 6.318, 109.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 16.554, 106.640 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(132, 131, 102)` looks like.

```
.text, #text, p{  
    color:rgb(132, 131, 102)  
}
```

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(132, 131, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 131, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 16.554, 106.640 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(132, 131, 102) }
```

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

```
.border{ border-color:rgb(132, 131, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 131, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 131, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 131, 102); box-shadow:4px 4px 4px 4px rgb(132, 131, 102) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 16.554, 106.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 131, 102) }
```

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

```
.background{ background-color: rgb(132,  
131, 102) }
```

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