

Converting Colors

CIELCh(54, 23.361, 145.054)

Have a look what the booklet for
CIELCh(54, 23.361, 145.054)
contains.

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Color

CIELCh(54, 23.654, 144.348)

Conversions

Conversions Part 1

Format	Color
Hex	678A69
RGB	103, 138, 105
RGB Percent	40%, 54%, 41%
CMY	0.5972, 0.4600, 0.5893
CMYK	0.25, 0.00, 0.24, 0.46
HSL	123°, 15%, 47%
HSV	123°, 25%, 54%
XYZ	17.1435, 21.9746, 16.6278
YIQ	123.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

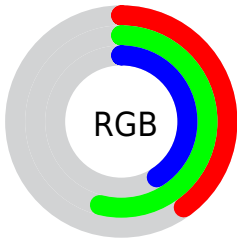
Format	Color
R_{YB}	103, 136, 138
Decimal	6785641
CIE _{Lab}	54.00, -19.22, 13.79
CIE _{LCh}	54, 23.654, 144.348
Y _{xy}	21.9746, 0.3075, 0.3942
Android (android.graphics.Color)	4284975721 (0xFF678A69)
YUV	123.7730, -9.2551, -18.2179
Hunter-Lab	46.8770, -16.7551, 11.7831

Details

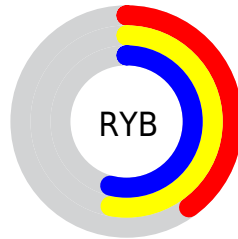
The CIELCh color $54, 23.654, 144.348$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $48, 23.674, 327.394$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 24.008, 143.946$, and $34, 23.529, 144.418$ is the 20% darker color. If you saturate the color by 10%, you get $53, 32.876, 143.489$, and if you desaturate by 10%, it is $55, 14.315, 145.093$.

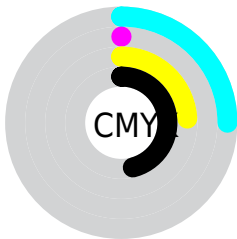
Distribution



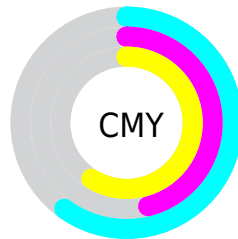
- Red (40%)
- Green (54%)
- Blue (41%)



- Red (40%)
- Yellow (53%)
- Blue (54%)



- Cyan (25%)
- Magenta (0%)
- Yellow (24%)
- Black (46%)





- Cyan (60%)
- Magenta (46%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 23.654, 144.348 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, 23.654, 144.348 by changing the saturation by 10% instead.


 54, 23.654,
144.348


 54, 23.654,
144.348


 100, 23.654,
144.348

 44, 23.654,
144.348

 74, 23.654,
144.348

 34, 23.654,
144.348

 84, 23.654,
144.348

 24, 23.654,
144.348

 94, 23.654,
144.348

 14, 23.654,
144.348

 4, 23.654, 144.348

 0, 23.654, 144.348

■ 54, 23.654,
144.348

■ 54, 23.654,
144.348

■ 53, 32.876,
143.489

■ 55, 14.315,
145.093

■ 52, 41.802,
142.506

■ 57, 4.992, 145.753

■ 58, 4.211, 326.204

■ 51, 50.216,
141.405

■ 60, 13.224,
326.699

■ 51, 57.863,
140.215

■ 61, 22.000,
327.102

■ 50, 64.458,
138.996

■ 63, 30.512,
327.445

■ 50, 69.699,
137.849

■ 65, 38.747,
327.740

■ 50, 73.344,
136.917

■ 67, 46.702,
327.995

■ 50, 74.558,

136.672

 69, 54.383,
328.218

Harmonies

Complementary

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



54, 23.654, 144.348



48, 23.674, 327.394

Rectangle

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



54, 23.654, 144.348



54, 23.654, 194.348



54, 23.654, 324.348



54, 23.654, 14.348

Sweetspot

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



54, 23.655, 144.348



71, 9.146, 145.574



56, 19.777, 109.960



37, 6.481, 145.487



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, 23.655, 144.348



68, 34.492, 143.913



54, 16.360, 164.162



28, 5.223, 145.511



48, 72.490, 136.701



1, 2.415, 146.017

Inverse Universe

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



48, 23.674, 327.394



59, 34.501, 327.680



47, 17.007, 348.764



27, 5.233, 326.488



30, 68.075, 330.580



0, 2.415, 326.012

Previews

White Background



This preview shows how the CIELCh color 54, 23.654, 144.348 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, 23.654, 144.348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

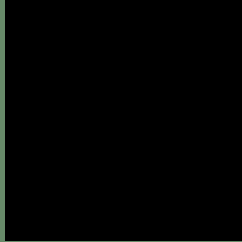
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 23.654, 144.348

Background



This preview shows how black text looks on a background with the CIELCh color 54, 23.654, 144.348.



This preview shows how white text looks on a background with the CIELCh color 54, 23.654, 144.348.

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, 23.654, 144.348

Protanopia

54, 16.514, 94.529

Deuteranopia

54, 13.901, 61.230



Tritanopia
54, 10.028, 233.993

Trichromacy



Original Color
54, 23.654, 144.348

Protanomaly
54, 17.380, 117.860

Deuteranomaly
54, 12.670, 102.856

Tritanomaly
54, 11.264, 180.352

Monochromacy



Original Color
54, 23.654, 144.348

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 8.502, 143.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 23.654, 144.348 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, 138, 105)` looks like.

```
.text, #text, p{  
    color:rgb(103, 138, 105)  
}
```

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, 138, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 138, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 23.654, 144.348 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, 138, 105) }
```

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

```
.border{ border-color:rgb(103, 138, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 138, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 138, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 138, 105);  
box-shadow:4px 4px 4px 4px rgb(103, 138,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 23.654, 144.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 138, 105) }
```

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

```
.background{ background-color: rgb(103,  
138, 105) }
```

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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