

Converting Colors

CIELCh(54, 22.672, 145.751)

Have a look what the booklet for
CIELCh(54, 22.672, 145.751)
contains.

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Color

CIELCh(54, 22.725, 146.007)

Conversions

Conversions Part 1

Format	Color
Hex	678A6B
RGB	103, 138, 107
RGB Percent	40%, 54%, 42%
CMY	0.5976, 0.4604, 0.5819
CMYK	0.25, 0.00, 0.23, 0.46
HSL	127°, 15%, 47%
HSV	127°, 25%, 54%
XYZ	17.2126, 21.9746, 17.1377
YIQ	124.0010, -10.9090, -17.0610

Conversions

Conversions Part 2

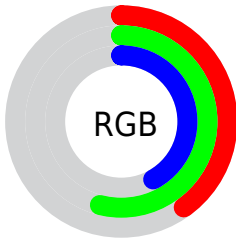
Format	Color
R_{YB}	103, 134, 138
Decimal	6785643
CIE _{Lab}	54.00, -18.84, 12.71
CIE _{LCh}	54, 22.725, 146.007
Yxy	21.9746, 0.3056, 0.3901
Android (android.graphics.Color)	4284975723 (0xFF678A6B)
YUV	124.0010, -8.3815, -18.4179
Hunter-Lab	46.8770, -16.4919, 11.1382

Details

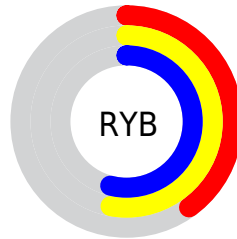
The CIELCh color $54, 22.725, 146.007$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $48, 22.766, 329.155$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 23.126, 145.460$, and $34, 22.537, 146.240$ is the 20% darker color. If you saturate the color by 10%, you get $53, 31.585, 145.129$, and if you desaturate by 10%, it is $55, 13.759, 146.768$.

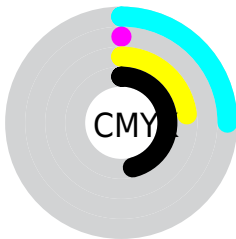
Distribution



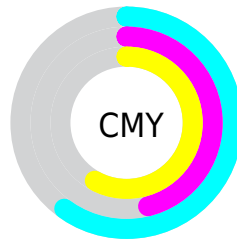
- Red (40%)
- Green (54%)
- Blue (42%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (23%)
- Black (46%)



- Cyan (60%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 22.725, 146.007 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, 22.725, 146.007 by changing the saturation by 10% instead.


 54, 22.725,
146.007

 54, 22.725,
146.007


 100, 22.725,
146.007

 44, 22.725,
146.007


 74, 22.725,
146.007

 34, 22.725,
146.007

 84, 22.725,
146.007

 24, 22.725,
146.007

 94, 22.725,
146.007

 14, 22.725,
146.007

 4, 22.725, 146.007

 0, 22.725, 146.007

■ 54, 22.725,
146.007

■ 54, 22.725,
146.007

■ 53, 31.585,
145.129

■ 55, 13.759,
146.768

■ 52, 40.176,
144.120

■ 57, 4.809, 147.446

■ 51, 48.309,
142.977

■ 58, 4.029, 327.905

■ 51, 55.769,
141.713

■ 60, 12.689,
328.422

■ 50, 62.319,
140.369

■ 61, 21.124,
328.844

■ 50, 67.721,
139.018

■ 63, 29.309,
329.207


■ 50, 71.777,
137.787

■ 65, 37.230,
329.523

■ 50, 73.234,

■ 67, 44.884,
329.800

137.389

 69, 52.275,
330.044

Harmonies

Complementary

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



54, 22.725, 146.007



48, 22.766, 329.155

Rectangle

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



54, 22.725, 146.007



54, 22.725, 196.007



54, 22.725, 326.007



54, 22.725, 16.007

Sweetspot

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



54, 22.726, 146.007



71, 8.788, 147.263



56, 19.826, 112.101



37, 6.227, 147.173



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, 22.726, 146.007



68, 34.234, 145.473



54, 15.757, 167.085



28, 5.018, 147.198



48, 71.218, 137.435



1, 2.320, 147.717

Inverse Universe

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



48, 22.766, 329.155



59, 34.275, 329.519



47, 16.539, 351.854



27, 5.029, 328.203



30, 65.170, 333.227



0, 2.321, 327.712

Previews

White Background



This preview shows how the CIE LCh color 54, 22.725, 146.007 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 CIE LCh color 54, 22.725, 146.007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

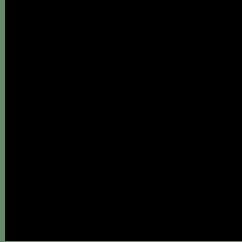
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

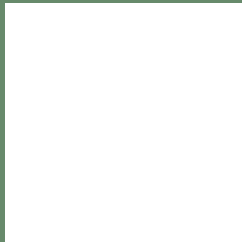
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 22.725, 146.007

Background



This preview shows how black text looks on a background with the CIELCh color 54, 22.725, 146.007.



This preview shows how white text looks on a background with the CIELCh color 54, 22.725, 146.007.

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, 22.725, 146.007

Protanopia
54, 15.405, 93.742

Deuteranopia
54, 13.109, 57.775



Tritanopia
54, 10.310, 232.872

Trichromacy



Original Color
54, 22.725, 146.007

Protanomaly
54, 15.732, 119.039

Deuteranomaly
54, 11.497, 104.553

Tritanomaly
54, 11.056, 183.149

Monochromacy



Original Color
54, 22.725, 146.007

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.266, 148.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 22.725, 146.007 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(103, 138, 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(103, 138, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 138, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 22.725, 146.007 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, 107) }
```

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

```
.border{ border-color:rgb(103, 138, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 138, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 138, 107);  
box-shadow:4px 4px 4px 4px rgb(103, 138,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 22.725, 146.007 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, 107) }
```

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

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