

Converting Colors

CIELCh(54, 16.010, 286.695)

Have a look what the booklet for
CIELCh(54, 16.010, 286.695)
contains.

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Color

CIELCh(54, 15.634, 285.460)

Conversions

Conversions Part 1

Format	Color
Hex	7B809B
RGB	123, 128, 155
RGB Percent	48%, 50%, 61%
CMY	0.5181, 0.4985, 0.3926
CMYK	0.21, 0.17, 0.00, 0.39
HSL	231°, 14%, 54%
HSV	231°, 21%, 61%
XYZ	21.7636, 21.9746, 34.0538
YIQ	129.5830, -11.6470, 7.3370

Conversions

Conversions Part 2

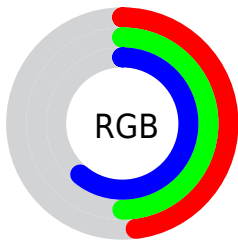
Format	Color
R_{YB}	123, 127, 155
Decimal	8093851
CIE _{Lab}	54.00, 4.17, -15.07
CIE _{LCh}	54, 15.634, 285.460
Yxy	21.9746, 0.2798, 0.2825
Android (android.graphics.Color)	4286283931 (0xFF7B809B)
YUV	129.5830, 12.5306, -5.7733
Hunter-Lab	46.8770, 0.8375, -10.2573

Details

The CIELCh color $54, 15.634, 285.460$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $62, 15.187, 100.663$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 15.225, 285.086$, and $34, 15.738, 285.985$ is the 20% darker color. If you saturate the color by 10%, you get $49, 23.585, 287.011$, and if you desaturate by 10%, it is $59, 7.941, 284.132$.

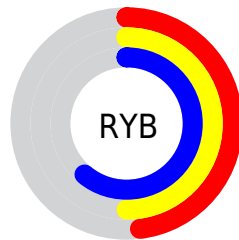
Distribution



Red (48%)

Green (50%)

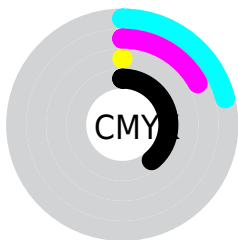
Blue (61%)



Red (48%)

Yellow (50%)

Blue (61%)

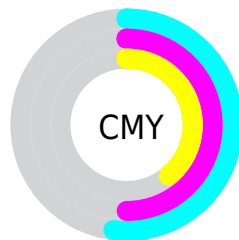


Cyan (21%)

Magenta (17%)

Yellow (0%)

Black (39%)



Cyan (52%)


Magenta (50%)

Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 15.634, 285.460 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, 15.634, 285.460 by changing the saturation by 10% instead.


 54, 15.634,
285.460


 54, 15.634,
285.460


 100, 15.634,
285.460


 44, 15.634,
285.460


 74, 15.634,
285.460

 34, 15.634,
285.460

 84, 15.634,
285.460

 24, 15.634,
285.460

 94, 15.634,
285.460

 14, 15.634,
285.460

 4, 15.634, 285.460

 0, 15.634, 285.460

■ 54, 15.634,
285.460

■ 54, 15.634,
285.460

■ 49, 23.585,
287.011

■ 59, 7.941, 284.132

■ 44, 31.822,
288.820

■ 64, 0.490, 283.200

■ 68, 6.738, 101.973

■ 40, 40.364,
290.913

■ 73, 13.755,
101.128

■ 35, 49.216,
293.291

■ 78, 20.573,
100.389

■ 30, 58.322,
295.912

■ 82, 27.203, 99.741

■ 26, 67.482,
298.660

■ 87, 33.654, 99.169

■ 92, 39.935, 98.664

■ 23, 76.220,
301.327

■ 96, 45.689,
101.841

■ 20, 83.337,

Harmonies

Complementary

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



54, 15.634, 285.460



62, 15.187, 100.663

Rectangle

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



54, 15.634, 285.460



54, 15.634, 335.460



54, 15.634, 105.460



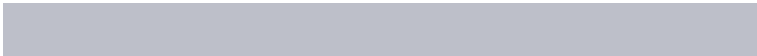
54, 15.634, 155.460

Sweetspot

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



54, 15.633, 285.458



78, 5.503, 283.602



61, 12.246, 184.088



41, 3.682, 283.668



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



54, 15.633, 285.458



66, 23.622, 286.178



54, 18.997, 304.260



30, 4.160, 283.959



18, 76.980, 303.214



1, 4.453, 283.049

Inverse Universe

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



55, 13.370, 8.616



67, 20.301, 9.208



62, 18.301, 121.943



30, 3.508, 7.376



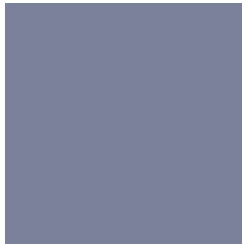
29, 60.562, 31.282



1, 3.695, 6.841

Previews

White Background



This preview shows how the CIELCh color 54, 15.634, 285.460 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, 15.634, 285.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

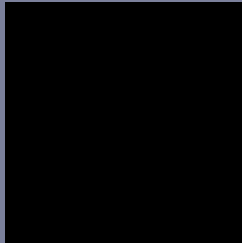
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 15.634, 285.460

Background



This preview shows how black text looks on a background with the CIELCh color 54, 15.634, 285.460.



This preview shows how white text looks on a background with the CIELCh color 54, 15.634, 285.460.

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

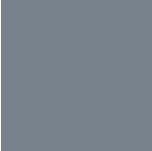
54, 15.634, 285.460

Protanopia

54, 15.634, 285.460

Deuteranopia

54, 16.787, 294.682



Tritanopia
54, 7.289, 259.978

Trichromacy



Original Color
54, 15.634, 285.460

Protanomaly
54, 15.634, 285.460

Deuteranomaly
54, 16.160, 290.852

Tritanomaly
54, 10.171, 274.479

Monochromacy



Original Color
54, 15.634, 285.460

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 5.233, 282.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 15.634, 285.460 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(123, 128, 155)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 155)  
}
```

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(123, 128, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 15.634, 285.460 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(123, 128, 155) }
```

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

```
.border{ border-color:rgb(123, 128, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 128, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 128, 155);  
box-shadow:4px 4px 4px 4px rgb(123, 128,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 15.634, 285.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 155) }
```

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

```
.background{ background-color: rgb(123,  
128, 155) }
```

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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