

Converting Colors

CIELCh(54, 45.487, 310.531)

Have a look what the booklet for
CIELCh(54, 45.487, 310.531)
contains.

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Color

CIELCh(54, 45.560, 310.646)

Conversions

Conversions Part 1

Format	Color
Hex	9671BD
RGB	150, 113, 189
RGB Percent	59%, 44%, 74%
CMY	0.4117, 0.5568, 0.2588
CMYK	0.21, 0.40, 0.00, 0.26
HSL	269°, 37%, 59%
HSV	269°, 40%, 74%
XYZ	27.6752, 21.9746, 50.9371
YIQ	132.7270, -2.3440, 31.4800

Conversions

Conversions Part 2

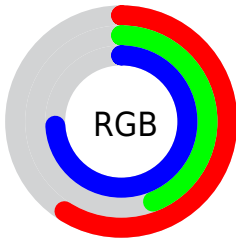
Format	Color
R _{YB}	150, 113, 189
Decimal	9859517
CIE _{Lab}	54.00, 29.68, -34.57
CIE _{LCh}	54, 45.560, 310.646
Y _{xy}	21.9746, 0.2751, 0.2185
Android (android.graphics.Color)	4288049597 (0xFF9671BD)
YUV	132.7270, 27.7426, 15.1484
Hunter-Lab	46.8770, 23.3477, -31.6112

Details

The CIELCh color $54, 45.560, 310.646$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $72, 42.932, 126.726$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 45.952, 310.500$, and $34, 45.514, 310.574$ is the 20% darker color. If you saturate the color by 10%, you get $49, 57.253, 311.195$, and if you desaturate by 10%, it is $60, 33.875, 310.092$.

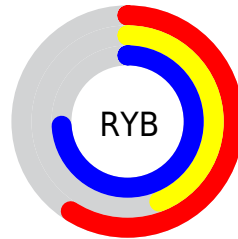
Distribution



Red (59%)

Green (44%)

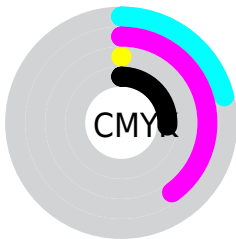
Blue (74%)



Red (59%)

Yellow (44%)

Blue (74%)

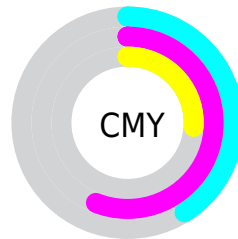


Cyan (21%)

Magenta (40%)

Yellow (0%)

Black (26%)



Cyan (41%)


Magenta (56%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 45.560, 310.646 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, 45.560, 310.646 by changing the saturation by 10% instead.


 54, 45.560,
310.646


 54, 45.560,
310.646


 100, 45.560,
310.646

 44, 45.560,
310.646


 74, 45.560,
310.646

 34, 45.560,
310.646

 84, 45.560,
310.646

 24, 45.560,
310.646

 94, 45.560,
310.646

 14, 45.560,
310.646

 4, 45.560, 310.646

 0, 45.560, 310.646

54, 45.560,
310.646

54, 45.560,
310.646

49, 57.253,
311.195

60, 33.875,
310.092

44, 68.661,
311.694

65, 22.373,
309.559

39, 79.304,
312.073

71, 11.144,
309.059

35, 88.496,
312.235

77, 0.232, 308.147

32, 95.428,
312.065

82, 10.349,
128.223

29, 99.931,
311.584

88, 20.598,
127.857

93, 30.525,
127.539

97, 34.893,
124.750

■ 97, 33.936,
119.000

Harmonies

Complementary

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



54, 45.560, 310.646



72, 42.932, 126.726

Rectangle

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



54, 45.560, 310.646



54, 45.560, 0.646



54, 45.560, 130.646



54, 45.560, 180.646

Sweetspot

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



54, 45.559, 310.646



88, 16.209, 309.155



61, 23.625, 260.403



46, 10.767, 309.219



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



54, 45.559, 310.646



63, 67.490, 311.118



58, 49.727, 326.081



37, 6.171, 309.017



24, 87.431, 311.737



2, 18.039, 304.539

Inverse Universe

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



57, 36.255, 346.852



68, 52.972, 347.986



70, 49.765, 141.052



37, 5.024, 343.669



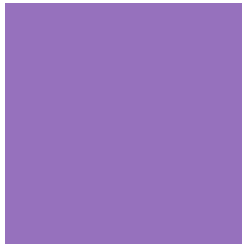
34, 59.500, 0.218



3, 14.053, 350.834

Previews

White Background



This preview shows how the CIE LCh color 54, 45.560, 310.646 looks on a white background.

Color Contrast Check

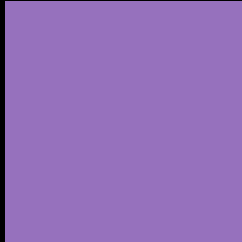
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.560, 310.646 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, 45.560, 310.646

Background



This preview shows how black text looks on a background with the CIELCh color 54, 45.560, 310.646.

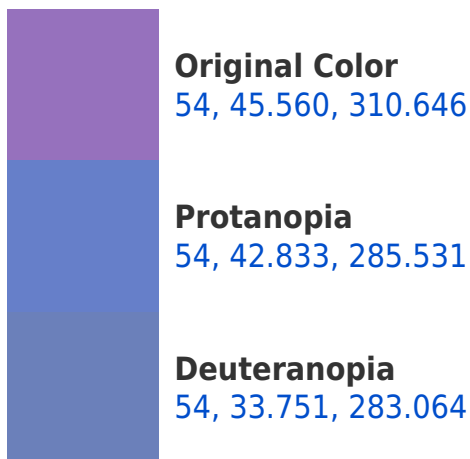


This preview shows how white text looks on a background with the CIELCh color 54, 45.560, 310.646.

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





Tritanopia
54, 8.219, 341.265

Trichromacy



Original Color
54, 45.560, 310.646

Protanomaly
54, 43.233, 293.997

Deuteranomaly
54, 36.931, 294.504

Tritanomaly
54, 20.986, 316.523

Monochromacy



Original Color
54, 45.560, 310.646

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 16.365, 309.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 45.560, 310.646 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(150, 113, 189)` looks like.

```
.text, #text, p{  
    color:rgb(150, 113, 189)  
}
```

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(150, 113, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 113, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 45.560, 310.646 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(150, 113, 189) }
```

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

```
.border{ border-color:rgb(150, 113, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 113, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 113, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 113, 189);  
box-shadow:4px 4px 4px 4px rgb(150, 113,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 45.560, 310.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 113, 189) }
```

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

```
.background{ background-color: rgb(150,  
113, 189) }
```

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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