

Converting Colors

CIELCh(54, 45.083, 286.064)

Have a look what the booklet for
CIELCh(54, 45.083, 286.064)
contains.

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Color

CIELCh(54, 45.140, 286.122)

Conversions

Conversions Part 1

Format	Color
Hex	647ECC
RGB	100, 126, 204
RGB Percent	39%, 49%, 80%
CMY	0.6080, 0.5060, 0.2002
CMYK	0.51, 0.38, 0.00, 0.20
HSL	225°, 50%, 60%
HSV	225°, 51%, 80%
XYZ	23.5988, 21.9746, 60.0944
YIQ	127.1180, -40.5340, 18.7460

Conversions

Conversions Part 2

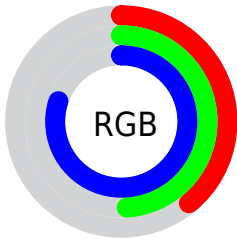
Format	Color
R_{YB}	100, 121, 204
Decimal	6586060
CIE _{Lab}	54.00, 12.53, -43.36
CIE _{LCh}	54, 45.140, 286.122
Yxy	21.9746, 0.2233, 0.2080
Android (android.graphics.Color)	4284776140 (0xFF647ECC)
YUV	127.1180, 37.9028, -23.7825
Hunter-Lab	46.8770, 7.8257, -43.1934

Details

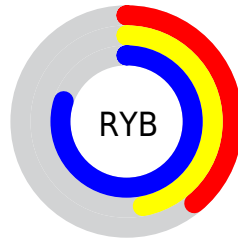
The CIELCh color $54, 45.140, 286.122$ is a dark color, and the websafe version is hex $6699FF$. A complement of this color would be $73, 43.000, 90.855$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 41.973, 285.130$, and $34, 44.662, 285.630$ is the 20% darker color. If you saturate the color by 10%, you get $49, 54.814, 288.783$, and if you desaturate by 10%, it is $59, 35.771, 283.799$.

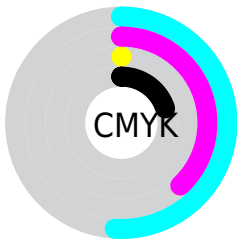
Distribution



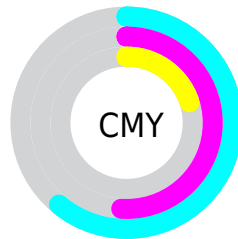
- Red (39%)
- Green (49%)
- Blue (80%)



- Red (39%)
- Yellow (47%)
- Blue (80%)



- Cyan (51%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)




- Cyan (61%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 45.140, 286.122 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, 45.140, 286.122 by changing the saturation by 10% instead.


 54, 45.140,
286.122

 54, 45.140,
286.122


 100, 45.140,
286.122

 44, 45.140,
286.122


 74, 45.140,
286.122

 34, 45.140,
286.122

 84, 45.140,
286.122

 24, 45.140,
286.122

 94, 45.140,
286.122

 14, 45.140,
286.122

 4, 45.140, 286.122

 0, 45.140, 286.122

54, 45.140,
286.122

54, 45.140,
286.122

49, 54.814,
288.783

59, 35.771,
283.799

44, 64.798,
291.754

65, 26.682,
281.797

39, 75.005,
294.938

70, 17.843,
280.084

34, 85.157,
298.154

76, 9.230, 278.625

31, 93.807,
300.807

81, 0.830, 277.571

87, 7.369, 96.230

92, 15.377, 95.300

97, 22.650,
102.069

99, 25.759,

Harmonies

Complementary

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



54, 45.140, 286.122



73, 43.000, 90.855

Rectangle

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



54, 45.140, 286.122



54, 45.140, 336.122



54, 45.140, 106.122



54, 45.140, 156.122

Sweetspot

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



54, 45.139, 286.123



90, 15.177, 279.209



75, 37.187, 172.876



47, 10.381, 279.522



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 45.139, 286.123



60, 65.801, 289.012



49, 61.205, 303.781



40, 4.756, 278.414



25, 79.271, 300.356



3, 19.527, 285.305

Inverse Universe

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



56, 44.145, 6.605



63, 63.016, 9.319



78, 54.110, 116.092



40, 4.606, 0.343



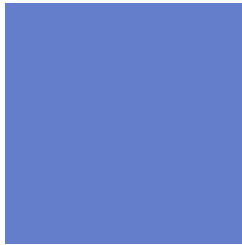
34, 65.014, 24.963



4, 18.366, 7.290

Previews

White Background



This preview shows how the CIE LCh color 54, 45.140, 286.122 looks on a white background.

Color Contrast Check

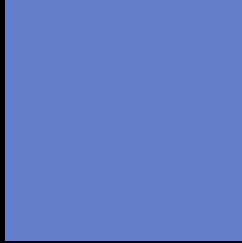
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.140, 286.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

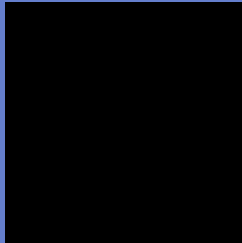
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 45.140, 286.122

Background



This preview shows how black text looks on a background with the CIELCh color 54, 45.140, 286.122.



This preview shows how white text looks on a background with the CIELCh color 54, 45.140, 286.122.

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, 45.140, 286.122

Protanopia

54, 45.172, 285.808

Deuteranopia

54, 43.381, 280.319



Tritanopia
54, 19.297, 217.115

Trichromacy



Original Color
54, 45.140, 286.122

Protanomaly
54, 45.172, 285.808

Deuteranomaly
54, 43.752, 282.171

Tritanomaly
54, 23.977, 256.531

Monochromacy



Original Color
54, 45.140, 286.122

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 16.468, 279.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 45.140, 286.122 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(100, 126, 204)` looks like.

```
.text, #text, p{  
    color:rgb(100, 126, 204)  
}
```

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(100, 126, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 126, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 45.140, 286.122 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(100, 126, 204) }
```

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

```
.border{ border-color:rgb(100, 126, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 126, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 126, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 126, 204);  
box-shadow:4px 4px 4px 4px rgb(100, 126,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 45.140, 286.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 126, 204) }
```

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

```
.background{ background-color: rgb(100,  
126, 204) }
```

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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