

Converting Colors

CIELCh(54, 40.816, 294.976)

Have a look what the booklet for
CIELCh(54, 40.816, 294.976)
contains.

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Color

CIELCh(54, 40.961, 294.946)

Conversions

Conversions Part 1

Format	Color
Hex	7A7AC1
RGB	122, 122, 193
RGB Percent	48%, 48%, 76%
CMY	0.5208, 0.5208, 0.2424
CMYK	0.37, 0.37, 0.00, 0.24
HSL	240°, 36%, 62%
HSV	240°, 37%, 76%
XYZ	24.6831, 21.9746, 53.5097
YIQ	130.0940, -22.7910, 22.0810

Conversions

Conversions Part 2

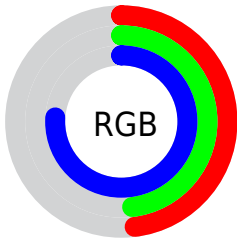
Format	Color
R_{YB}	122, 122, 193
Decimal	8026817
CIE _{Lab}	54.00, 17.28, -37.14
CIE _{LCh}	54, 40.961, 294.946
Yxy	21.9746, 0.2464, 0.2194
Android (android.graphics.Color)	4286216897 (0xFF7A7AC1)
YUV	130.0940, 31.0127, -7.0984
Hunter-Lab	46.8770, 11.9545, -34.8651

Details

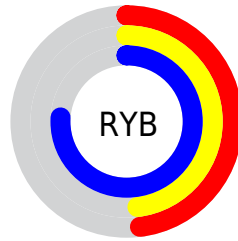
The CIELCh color $54, 40.961, 294.946$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $77, 37.343, 106.668$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 41.257, 295.258$, and $34, 40.628, 294.535$ is the 20% darker color. If you saturate the color by 10%, you get $48, 53.222, 296.778$, and if you desaturate by 10%, it is $61, 29.188, 293.362$.

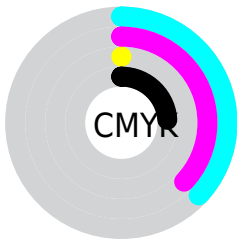
Distribution



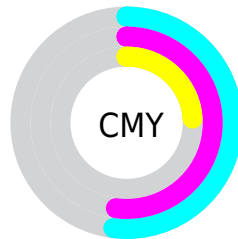
- Red (48%)
- Green (48%)
- Blue (76%)



- Red (48%)
- Yellow (48%)
- Blue (76%)



- Cyan (37%)
- Magenta (37%)
- Yellow (0%)
- Black (24%)



- Cyan (52%)
- Magenta (52%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 40.961, 294.946 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, 40.961, 294.946 by changing the saturation by 10% instead.


 54, 40.961,
294.946

 54, 40.961,
294.946


 100, 40.961,
294.946


 44, 40.961,
294.946


 74, 40.961,
294.946

 34, 40.961,
294.946

 84, 40.961,
294.946

 24, 40.961,
294.946

 94, 40.961,
294.946

 14, 40.961,
294.946

 4, 40.961, 294.946

 0, 40.961, 294.946

■ 54, 40.961,
294.946

■ 54, 40.961,
294.946

■ 48, 53.222,
296.778

■ 61, 29.188,
293.362

■ 41, 65.890,
298.837

■ 67, 17.905,
292.011

■ 35, 78.659,
301.034

■ 74, 7.081, 290.868

■ 30, 90.765,
303.170

■ 80, 3.317, 109.867

■ 26, 100.765,
304.931

■ 87, 13.324,
109.054

■ 24, 106.998,
306.013

■ 93, 22.966,
108.350

■ 23, 108.599,
306.288

■ 99, 31.121,
107.810

Harmonies

Complementary

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



54, 40.961, 294.946



77, 37.343, 106.668

Rectangle

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



54, 40.961, 294.946



54, 40.961, 344.946



54, 40.961, 114.946



54, 40.961, 164.946

Sweetspot

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



54, 40.960, 294.946



89, 14.324, 291.348



74, 23.263, 197.651



46, 9.648, 291.504



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



54, 40.960, 294.946



63, 61.454, 296.378



57, 42.338, 310.883



37, 5.984, 291.147



18, 94.723, 306.288



1, 19.479, 291.139

Inverse Universe

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



61, 46.625, 326.405



74, 68.066, 326.790



74, 40.187, 127.357



38, 7.225, 324.935



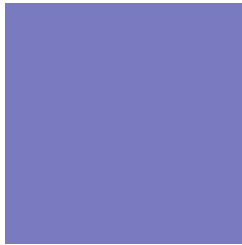
38, 81.796, 328.239



4, 24.210, 326.364

Previews

White Background



This preview shows how the CIELCh color 54, 40.961, 294.946 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, 40.961, 294.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

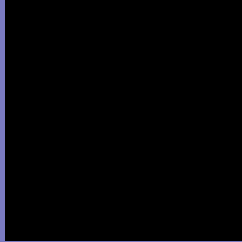
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 40.961, 294.946

Background



This preview shows how black text looks on a background with the CIELCh color 54, 40.961, 294.946.

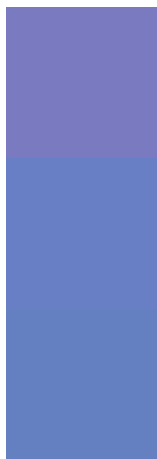


This preview shows how white text looks on a background with the CIELCh color 54, 40.961, 294.946.

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, 40.961, 294.946

Protanopia

54, 40.544, 285.345

Deuteranopia

54, 37.337, 282.173



Tritanopia
54, 9.748, 235.183

Trichromacy



Original Color
54, 40.961, 294.946

Protanomaly
54, 40.951, 289.093

Deuteranomaly
54, 38.165, 286.913

Tritanomaly
54, 18.920, 277.564

Monochromacy



Original Color
54, 40.961, 294.946

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 15.011, 291.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 40.961, 294.946 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(122, 122, 193)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 193)  
}
```

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(122, 122, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 40.961, 294.946 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(122, 122, 193) }
```

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

```
.border{ border-color:rgb(122, 122, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 193);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 40.961, 294.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 193) }
```

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

```
.background{ background-color: rgb(122,  
122, 193) }
```

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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