

Converting Colors

CIELCh(54, 42.797, 290.878)

Have a look what the booklet for
CIELCh(54, 42.797, 290.878)
contains.

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Color

CIELCh(54, 42.638, 290.736)

Conversions

Conversions Part 1

Format	Color
Hex	717CC6
RGB	113, 124, 198
RGB Percent	44%, 49%, 78%
CMY	0.5572, 0.5140, 0.2239
CMYK	0.43, 0.37, 0.00, 0.22
HSL	232°, 43%, 61%
HSV	232°, 43%, 78%
XYZ	24.1807, 21.9746, 56.3414
YIQ	129.1470, -30.3100, 20.6820

Conversions

Conversions Part 2

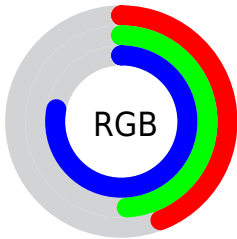
Format	Color
R _Y B	113, 123, 198
Decimal	7437510
CIE _{Lab}	54.00, 15.10, -39.88
CIE _{LCh}	54, 42.638, 290.736
Y _{xy}	21.9746, 0.2359, 0.2144
Android (android.graphics.Color)	4285627590 (0xFF717CC6)
YUV	129.1470, 33.9445, -14.1609
Hunter-Lab	46.8770, 10.0413, -38.4467

Details

The CIELCh color `54, 42.638, 290.736` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `75, 39.339, 99.623`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `74, 42.797, 290.878`, and `34, 42.493, 290.611` is the 20% darker color. If you saturate the color by 10%, you get `48, 53.580, 292.917`, and if you desaturate by 10%, it is `60, 32.104, 288.844`.

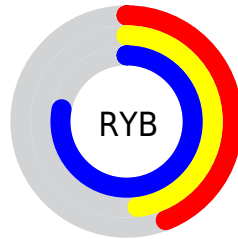
Distribution



Red (44%)

Green (49%)

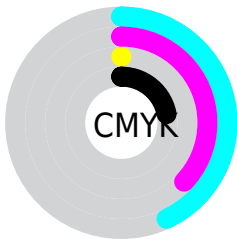
Blue (78%)



Red (44%)

Yellow (48%)

Blue (78%)

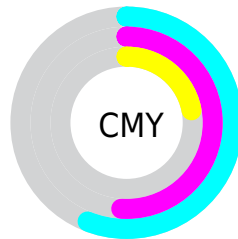


Cyan (43%)

Magenta (37%)

Yellow (0%)

Black (22%)



Cyan (56%)


Magenta (51%)


Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 42.638, 290.736 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, 42.638, 290.736 by changing the saturation by 10% instead.


 54, 42.638,
290.736


 54, 42.638,
290.736


 100, 42.638,
290.736


 44, 42.638,
290.736


 74, 42.638,
290.736

 34, 42.638,
290.736

 84, 42.638,
290.736

 24, 42.638,
290.736

 94, 42.638,
290.736

 14, 42.638,
290.736

 4, 42.638, 290.736

 0, 42.638, 290.736

■ 54, 42.638,
290.736

■ 54, 42.638,
290.736

■ 48, 53.580,
292.917

■ 60, 32.104,
288.844

■ 42, 64.902,
295.372

■ 66, 21.962,
287.222

■ 37, 76.439,
298.022

■ 72, 12.181,
285.840

■ 32, 87.725,
300.692

■ 78, 2.732, 284.690

■ 28, 97.825,
303.112

■ 84, 6.410, 103.613

■ 26, 103.568,
304.456

■ 90, 15.266,
102.751

■ 96, 23.853,
101.998

■ 99, 28.774,
107.991

Harmonies

Complementary

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



54, 42.638, 290.736



75, 39.339, 99.623

Rectangle

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



54, 42.638, 290.736



54, 42.638, 340.736



54, 42.638, 110.736



54, 42.638, 160.736

Sweetspot

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



54, 42.637, 290.736



90, 15.034, 285.872



74, 28.589, 184.783



47, 10.559, 286.164



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, 42.637, 290.736



62, 64.624, 292.880



54, 50.080, 307.014



39, 5.327, 285.401



21, 88.914, 304.184



2, 19.564, 288.222

Inverse Universe

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



57, 35.784, 14.076



67, 54.093, 16.175



76, 46.127, 122.045



39, 4.333, 9.517



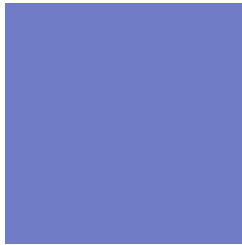
34, 69.360, 33.732



3, 16.019, 12.724

Previews

White Background



This preview shows how the CIE LCh color 54, 42.638, 290.736 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, 42.638, 290.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

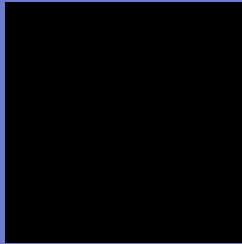
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 42.638, 290.736

Background



This preview shows how black text looks on a background with the CIELCh color 54, 42.638, 290.736.

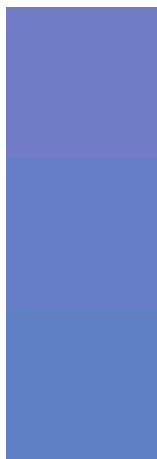


This preview shows how white text looks on a background with the CIELCh color 54, 42.638, 290.736.

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, 42.638, 290.736

Protanopia

54, 42.854, 285.930

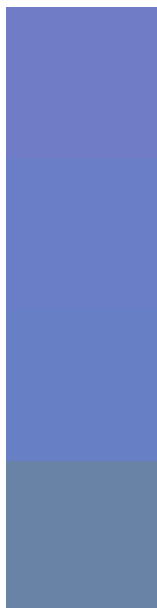
Deuteranopia

54, 40.351, 281.414



Tritanopia
54, 13.934, 225.575

Trichromacy



Original Color
54, 42.638, 290.736

Protanomaly
54, 42.759, 287.738

Deuteranomaly
54, 40.616, 284.603

Tritanomaly
54, 21.197, 267.497

Monochromacy



Original Color
54, 42.638, 290.736

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 15.626, 286.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 42.638, 290.736 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(113, 124, 198)` looks like.

```
.text, #text, p{  
    color:rgb(113, 124, 198)  
}
```

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(113, 124, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 124, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 42.638, 290.736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

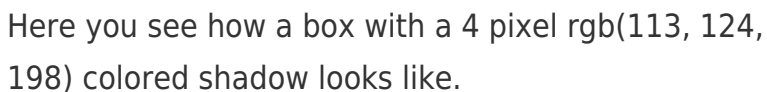
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 124, 198) }
```

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

```
.border{ border-color:rgb(113, 124, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 124, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 124, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 124, 198); box-shadow:4px 4px 4px 4px rgb(113, 124, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 42.638, 290.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 124, 198) }
```

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

```
.background{ background-color: rgb(113,  
124, 198) }
```

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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