

Converting Colors

CIELCh(50, 56.467, 298.372)

Have a look what the booklet for
CIELCh(50, 56.467, 298.372)
contains.

CIELCh(50, 56.663, 298.589)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 56.663, 298.589)

Conversions

Conversions Part 1

Format	Color
Hex	716BCC
RGB	113, 107, 204
RGB Percent	44%, 42%, 80%
CMY	0.5564, 0.5800, 0.1996
CMYK	0.45, 0.48, 0.00, 0.20
HSL	244°, 49%, 61%
HSV	244°, 48%, 80%
XYZ	23.0043, 18.4187, 59.5390
YIQ	119.8520, -27.5610, 31.4390

Conversions

Conversions Part 2

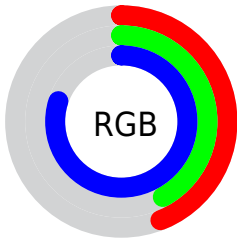
Format	Color
R _Y B	113, 107, 204
Decimal	7433164
CIE Lab	50.00, 27.11, -49.75
CIE LCh	50, 56.663, 298.589
Yxy	18.4187, 0.2279, 0.1824
Android (android.graphics.Color)	4285623244 (0xFF716BCC)
YUV	119.8520, 41.4850, -6.0092
Hunter-Lab	42.9170, 20.5748, -52.2116

Details

The CIELCh color $50, 56.663, 298.589$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $80, 49.869, 108.559$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 53.398, 298.692$, and $30, 56.360, 298.330$ is the 20% darker color. If you saturate the color by 10%, you get $44, 69.847, 300.385$, and if you desaturate by 10%, it is $57, 43.837, 296.972$.

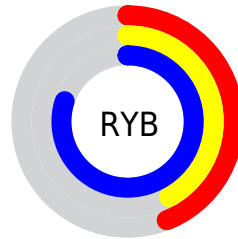
Distribution



Red (44%)

Green (42%)

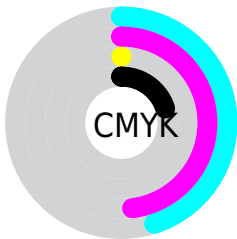
Blue (80%)



Red (44%)

Yellow (42%)

Blue (80%)

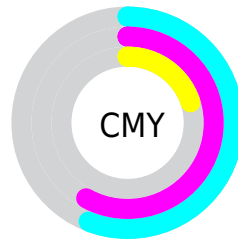


Cyan (45%)

Magenta (48%)

Yellow (0%)

Black (20%)



Cyan (56%)


Magenta (58%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 56.663, 298.589 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 50, 56.663, 298.589 by changing the saturation by 10% instead.


 50, 56.663,
298.589


 50, 56.663,
298.589


 100, 56.663,
298.589


 40, 56.663,
298.589


 70, 56.663,
298.589

 30, 56.663,
298.589


 80, 56.663,
298.589


 20, 56.663,
298.589

 90, 56.663,
298.589

 10, 56.663,
298.589

 0, 56.663, 298.589

 50, 56.663,
298.589

 50, 56.663,
298.589

44, 69.847,
300.385

57, 43.837,
296.972

37, 83.033,
302.270

63, 31.491,
295.558

32, 95.394,
304.062

70, 19.644,
294.341

28, 105.455,
305.479

77, 8.274, 293.303

26, 111.642,
306.274

84, 2.650, 112.395

25, 112.847,
306.451

90, 13.158,
111.651

97, 23.281,
111.006

99, 25.680,
108.229

Harmonies

Complementary

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



50, 56.663, 298.589



80, 49.869, 108.559

Rectangle

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



50, 56.663, 298.589



50, 56.663, 348.589



50, 56.663, 118.589



50, 56.663, 168.589

Sweetspot

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



50, 56.662, 298.590



89, 18.670, 293.974



75, 28.316, 202.724



46, 12.945, 294.211



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 56.662, 298.590



54, 82.937, 300.424



54, 57.972, 313.031



39, 6.252, 293.484



19, 96.600, 306.496



1, 23.572, 294.048

Inverse Universe

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



59, 59.538, 328.789



69, 83.298, 329.297



77, 54.556, 128.605



40, 7.226, 326.655



39, 79.770, 330.840



5, 27.630, 329.590

Previews

White Background



This preview shows how the CIE LCh color 50, 56.663, 298.589 looks on a white background.

Color Contrast Check

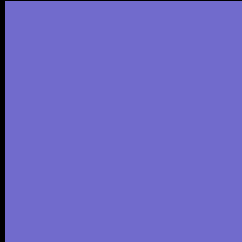
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 56.663, 298.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

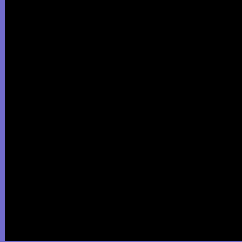
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 56.663, 298.589

Background



This preview shows how black text looks on a background with the CIELCh color 50, 56.663, 298.589.



This preview shows how white text looks on a background with the CIELCh color 50, 56.663, 298.589.

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
50, 11.896, 224.843

Trichromacy



Original Color
50, 56.663, 298.589

Protanomaly
50, 56.019, 290.391

Deuteranomaly
50, 51.126, 286.106

Tritanomaly
50, 24.443, 279.867

Monochromacy



Original Color
50, 56.663, 298.589

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 21.145, 294.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 56.663, 298.589 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, 107, 204)` looks like.

```
.text, #text, p{  
    color:rgb(113, 107, 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(113, 107, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 107, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 56.663, 298.589 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, 107, 204) }
```

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

```
.border{ border-color:rgb(113, 107, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 107, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 107, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 107, 204);  
box-shadow:4px 4px 4px 4px rgb(113, 107,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 56.663, 298.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 107, 204) }
```

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

```
.background{ background-color: rgb(113,  
107, 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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