

Converting Colors

CIELCh(50, 17.737, 282.985)

Have a look what the booklet for
CIELCh(50, 17.737, 282.985)
contains.

CIELCh(50, 17.707, 283.184)	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, 17.707, 283.184)

Conversions

Conversions Part 1

Format	Color
Hex	6E7694
RGB	110, 118, 148
RGB Percent	43%, 46%, 58%
CMY	0.5685, 0.5371, 0.4195
CMYK	0.26, 0.20, 0.00, 0.42
HSL	227°, 15%, 51%
HSV	227°, 26%, 58%
XYZ	18.2626, 18.4187, 30.6208
YIQ	119.0280, -14.3980, 7.6340

Conversions

Conversions Part 2

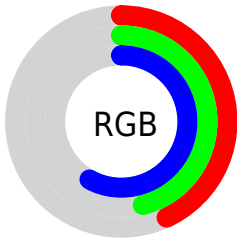
Format	Color
R_{YB}	110, 117, 148
Decimal	7239316
CIE _{Lab}	50.00, 4.04, -17.24
CIE _{LCh}	50, 17.707, 283.184
Yxy	18.4187, 0.2714, 0.2737
Android (android.graphics.Color)	4285429396 (0xFF6E7694)
YUV	119.0280, 14.2832, -7.9176
Hunter-Lab	42.9170, 0.8530, -12.2609

Details

The CIELCh color $50, 17.707, 283.184$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 17.252, 96.832$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 17.679, 282.972$, and $30, 17.478, 282.497$ is the 20% darker color. If you saturate the color by 10%, you get $46, 24.966, 284.914$, and if you desaturate by 10%, it is $54, 10.660, 281.698$.

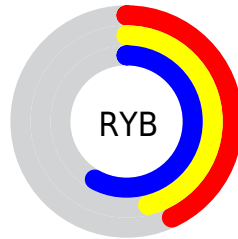
Distribution



Red (43%)

Green (46%)

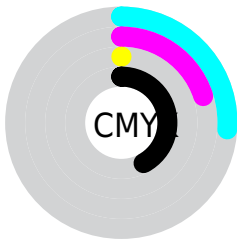
Blue (58%)



Red (43%)

Yellow (46%)

Blue (58%)

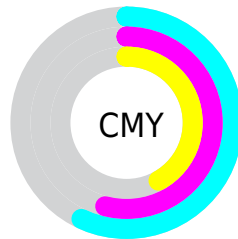


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (42%)



Cyan (57%)


Magenta (54%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 17.707, 283.184 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, 17.707, 283.184 by changing the saturation by 10% instead.


 50, 17.707,
283.184


 50, 17.707,
283.184


 100, 17.707,
283.184


 40, 17.707,
283.184


 70, 17.707,
283.184

 30, 17.707,
283.184


 80, 17.707,
283.184


 20, 17.707,
283.184

 90, 17.707,
283.184

 10, 17.707,
283.184

 0, 17.707, 283.184

 50, 17.707,
283.184

 50, 17.707,
283.184

46, 24.966,
284.914

54, 10.660,
281.698

41, 32.460,
286.926

59, 3.810, 280.441

37, 40.209,
289.240

63, 2.857, 99.257

68, 9.350, 98.333

33, 48.221,
291.853

72, 15.679, 97.505

29, 56.453,
294.712

76, 21.849, 96.778

81, 27.868, 96.135

25, 64.738,
297.685

85, 33.741, 95.565

22, 72.693,
300.546

89, 39.475, 95.056

21, 75.918,
301.605

Harmonies

Complementary

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



50, 17.707, 283.184



58, 17.252, 96.832

Rectangle

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



50, 17.707, 283.184



50, 17.707, 333.184



50, 17.707, 103.184



50, 17.707, 153.184

Sweetspot

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



50, 17.706, 283.182



73, 6.641, 280.731



58, 14.912, 179.671



38, 4.765, 280.902



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 17.706, 283.182



61, 26.577, 284.180



49, 22.809, 302.873



29, 3.808, 280.858



19, 71.594, 301.420



1, 3.294, 279.764

Inverse Universe

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



50, 16.409, 5.106



61, 24.717, 5.918



60, 21.694, 119.687



29, 3.470, 3.219



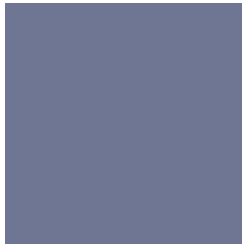
28, 57.688, 27.186



1, 2.969, 2.446

Previews

White Background



This preview shows how the CIELCh color 50, 17.707, 283.184 looks on a white background.

Color Contrast Check

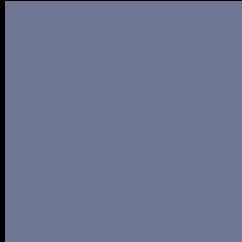
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 17.707, 283.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

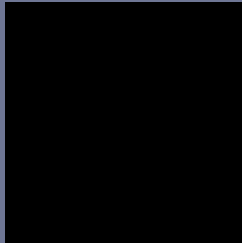
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

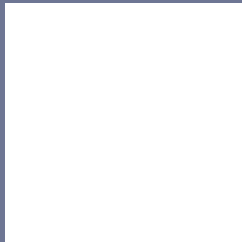
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 17.707, 283.184

Background



This preview shows how black text looks on a background with the CIELCh color 50, 17.707, 283.184.

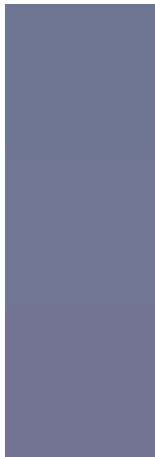


This preview shows how white text looks on a background with the CIELCh color 50, 17.707, 283.184.

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

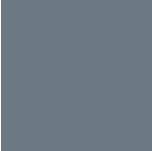
50, 17.707, 283.184

Protanopia

50, 17.627, 285.437

Deuteranopia

50, 18.757, 291.483



Tritanopia
50, 7.763, 248.148

Trichromacy



Original Color
50, 17.707, 283.184

Protanomaly
50, 17.664, 284.306

Deuteranomaly
50, 18.178, 287.988

Tritanomaly
50, 10.767, 267.159

Monochromacy



Original Color
50, 17.707, 283.184

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.516, 280.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 17.707, 283.184 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(110, 118, 148)` looks like.

```
.text, #text, p{  
    color:rgb(110, 118, 148)  
}
```

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(110, 118, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 118, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 17.707, 283.184 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(110, 118, 148) }
```

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

```
.border{ border-color:rgb(110, 118, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 118, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 118, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 118, 148); box-shadow:4px 4px 4px 4px rgb(110, 118, 148) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 17.707, 283.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 118, 148) }
```

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

```
.background{ background-color: rgb(110,  
118, 148) }
```

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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