

Converting Colors

CIELCh(50, 17.762, 273.505)

Have a look what the booklet for
CIELCh(50, 17.762, 273.505)
contains.

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Color

CIELCh(50, 17.757, 272.852)

Conversions

Conversions Part 1

Format	Color
Hex	677895
RGB	103, 120, 149
RGB Percent	40%, 47%, 58%
CMY	0.5969, 0.5302, 0.4165
CMYK	0.31, 0.19, 0.00, 0.42
HSL	218°, 18%, 49%
HSV	218°, 31%, 58%
XYZ	17.6700, 18.4187, 30.9689
YIQ	118.2230, -19.4410, 5.4150

Conversions

Conversions Part 2

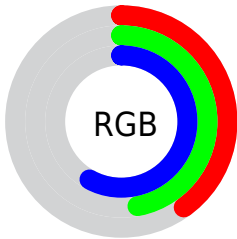
Format	Color
R_{YB}	103, 115, 149
Decimal	6781077
CIE _{Lab}	50.00, 0.88, -17.74
CIE _{LCh}	50, 17.757, 272.852
Yxy	18.4187, 0.2635, 0.2747
Android (android.graphics.Color)	4284971157 (0xFF677895)
YUV	118.2230, 15.1731, -13.3506
Hunter-Lab	42.9170, -1.6117, -12.7418

Details

The CIELCh color `50, 17.757, 272.852` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `56, 18.134, 84.182`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 17.754, 272.919`, and `30, 17.507, 271.971` is the 20% darker color. If you saturate the color by 10%, you get `46, 23.625, 274.926`, and if you desaturate by 10%, it is `54, 11.950, 271.076`.

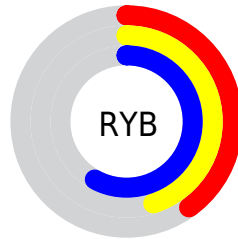
Distribution



Red (40%)

Green (47%)

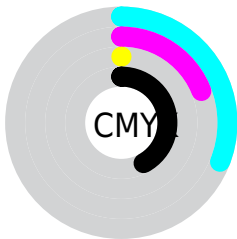
Blue (58%)



Red (40%)

Yellow (45%)

Blue (58%)

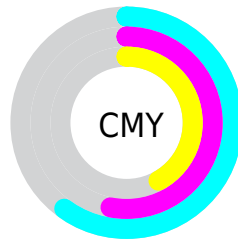


Cyan (31%)

Magenta (19%)

Yellow (0%)

Black (42%)



Cyan (60%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 17.757, 272.852 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, 17.757, 272.852 by changing the saturation by 10% instead.

■ 50, 17.757,
272.852

■ 50, 17.757,
272.852

■ 100, 17.757,
272.852

■ 40, 17.757,
272.852

■ 70, 17.757,
272.852

■ 30, 17.757,
272.852

■ 80, 17.757,
272.852

■ 20, 17.757,
272.852

■ 90, 17.757,
272.852

■ 10, 17.757,
272.852

■ 0, 17.757, 272.852

■ 50, 17.757,
272.852

■ 50, 17.757,
272.852

46, 23.625,
274.926

54, 11.950,
271.076

43, 29.568,
277.345

58, 6.205, 269.566

39, 35.604,
280.135

61, 0.521, 268.631

65, 5.097, 87.041

36, 41.765,
283.301

69, 10.645, 86.076

32, 48.081,
286.797

73, 16.120, 85.219

76, 21.518, 84.460

29, 54.555,
290.507

80, 26.836, 83.787

26, 60.547,
293.759

84, 32.074, 83.185

Harmonies

Complementary

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



50, 17.757, 272.852



56, 18.134, 84.182

Rectangle

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



50, 17.757, 272.852



50, 17.757, 322.852



50, 17.757, 92.852



50, 17.757, 142.852

Sweetspot

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



50, 17.756, 272.850



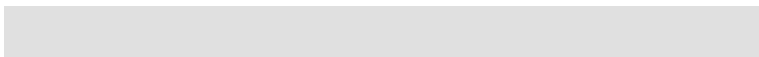
74, 6.344, 269.332



58, 20.041, 167.498



38, 4.398, 269.511



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, 17.756, 272.850



61, 26.460, 274.236



46, 27.528, 297.719



29, 3.194, 269.333



24, 56.802, 293.476



1, 2.783, 268.114

Inverse Universe

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



49, 21.224, 354.513



59, 31.663, 355.444



60, 25.633, 112.374



29, 3.748, 352.086



28, 53.803, 13.170



1, 3.229, 351.314

Previews

White Background



This preview shows how the CIELCh color 50, 17.757, 272.852 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, 17.757, 272.852 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

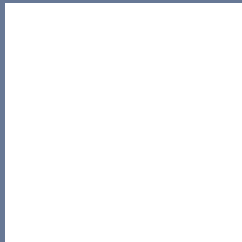
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 17.757, 272.852

Background



This preview shows how black text looks on a background with the CIELCh color 50, 17.757, 272.852.

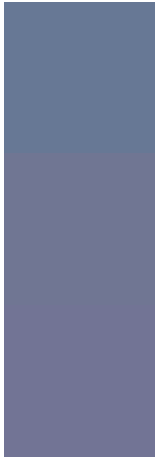


This preview shows how white text looks on a background with the CIELCh color 50, 17.757, 272.852.

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, 17.757, 272.852

Protanopia

50, 17.049, 285.100

Deuteranopia

50, 19.344, 290.541



Tritanopia
50, 10.133, 230.099

Trichromacy



Original Color
50, 17.757, 272.852

Protanomaly
50, 17.219, 280.448

Deuteranomaly
50, 18.843, 285.032

Tritanomaly
50, 12.051, 250.136

Monochromacy



Original Color
50, 17.757, 272.852

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.385, 266.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 17.757, 272.852 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(103, 120, 149)` looks like.

```
.text, #text, p{  
    color:rgb(103, 120, 149)  
}
```

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(103, 120, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 120, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 17.757, 272.852 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(103, 120, 149) }
```

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

```
.border{ border-color:rgb(103, 120, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 120, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 120, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 120, 149);  
box-shadow:4px 4px 4px 4px rgb(103, 120,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 17.757, 272.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 120, 149) }
```

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

```
.background{ background-color: rgb(103,  
120, 149) }
```

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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