

Converting Colors

CIELCh(50, 4.733, 256.766)

Have a look what the booklet for
CIELCh(50, 4.733, 256.766) contains.

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Color

CIELCh(50, 4.860, 256.862)

Conversions

Conversions Part 1

Format	Color
Hex	71787F
RGB	113, 120, 127
RGB Percent	44%, 47%, 50%
CMY	0.5575, 0.5301, 0.5026
CMYK	0.11, 0.06, 0.00, 0.50
HSL	210°, 6%, 47%
HSV	210°, 11%, 50%
XYZ	17.3032, 18.4187, 22.6626
YIQ	118.7050, -6.4190, 0.6930

Conversions

Conversions Part 2

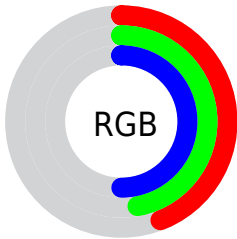
Format	Color
R_{YB}	113, 118, 127
Decimal	7436415
CIE Lab	50.00, -1.10, -4.73
CIE LCh	50, 4.860, 256.862
Yxy	18.4187, 0.2964, 0.3155
Android (android.graphics.Color)	4285626495 (0xFF71787F)
YUV	118.7050, 4.0894, -5.0033
Hunter-Lab	42.9170, -3.1372, -1.2666

Details

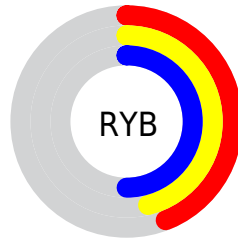
The CIELCh color $50, 4.860, 256.862$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 4.984, 74.063$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 5.030, 260.084$, and $30, 4.756, 253.161$ is the 20% darker color. If you saturate the color by 10%, you get $47, 9.213, 258.318$, and if you desaturate by 10%, it is $53, 0.463, 256.091$.

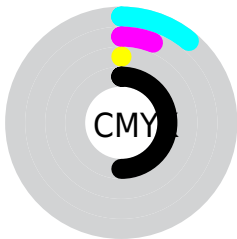
Distribution



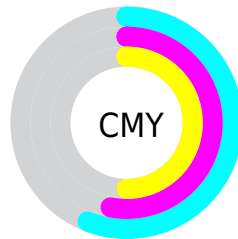
- Red (44%)
- Green (47%)
- Blue (50%)



- Red (44%)
- Yellow (46%)
- Blue (50%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)



- Cyan (56%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.860, 256.862 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, 4.860, 256.862 by changing the saturation by 10% instead.

■ 50, 4.860, 256.862

■ 50, 4.860, 256.862

■ 100, 4.860,
256.862

■ 40, 4.860, 256.862

■ 70, 4.860, 256.862

■ 30, 4.860, 256.862

■ 80, 4.860, 256.862

■ 20, 4.860, 256.862

■ 90, 4.860, 256.862

■ 10, 4.860, 256.862

■ 0, 4.860, 256.862

■ 50, 4.860, 256.862

■ 50, 4.860, 256.862

■ 47, 9.213, 258.318

■ 53, 0.463, 256.091

■ 44, 13.509,
260.074

■ 56, 3.960, 74.368

■ 59, 8.395, 73.468

■ 42, 17.731,
262.158

■ 61, 12.830, 72.668

■ 39, 21.873,
264.621

■ 64, 17.253, 71.965

■ 67, 21.656, 71.346

■ 36, 25.937,
267.511

■ 70, 26.032, 70.798

■ 34, 29.942,
270.859

■ 73, 30.375, 70.308

■ 76, 34.681, 69.868

■ 31, 33.930,
274.653

■ 29, 37.958,
278.821

■ 27, 41.693,
282.479

Harmonies

Complementary

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



50, 4.860, 256.862



51, 4.984, 74.063

Rectangle

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



50, 4.860, 256.862



50, 4.860, 306.862



50, 4.860, 76.862



50, 4.860, 126.862

Sweetspot

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



50, 4.859, 256.848



67, 1.653, 255.958



52, 7.009, 161.926



35, 1.262, 256.011



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 4.859, 256.848



63, 7.116, 257.157



48, 8.120, 290.630



25, 2.495, 256.597



27, 41.874, 282.505



0, 0.000, 0.000

Inverse Universe

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



49, 7.023, 344.492



62, 10.322, 344.694



53, 7.930, 108.473



25, 3.594, 344.321



26, 50.839, 0.535



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 4.860, 256.862 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, 4.860, 256.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

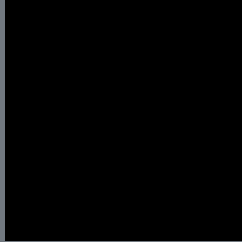
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

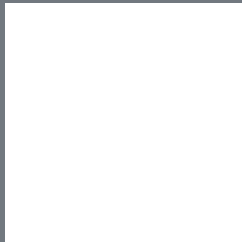
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 4.860, 256.862

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.860, 256.862.



This preview shows how white text looks on a background with the CIELCh color 50, 4.860, 256.862.

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, 4.860, 256.862

Protanopia

50, 4.709, 295.573

Deuteranopia

50, 8.811, 320.602



Tritanopia
50, 6.244, 269.293

Trichromacy



Original Color

50, 4.860, 256.862

Protanomaly

50, 4.158, 279.880

Deuteranomaly

50, 6.657, 304.600

Tritanomaly

50, 5.708, 266.980

Monochromacy



Original Color

50, 4.860, 256.862

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 1.918, 266.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 4.860, 256.862 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, 120, 127)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 127)  
}
```

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, 120, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.860, 256.862 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, 120, 127) }
```

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

```
.border{ border-color:rgb(113, 120, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 127);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.860, 256.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 127) }
```

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

```
.background{ background-color: rgb(113,  
120, 127) }
```

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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