

Converting Colors

CIELCh(50, 4.811, 194.942)

Have a look what the booklet for
CIELCh(50, 4.811, 194.942) contains.

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Color

CIELCh(50, 4.700, 198.971)

Conversions

Conversions Part 1

Format	Color
Hex	6D7979
RGB	109, 121, 121
RGB Percent	43%, 47%, 47%
CMY	0.5712, 0.5241, 0.5242
CMYK	0.10, 0.00, 0.00, 0.52
HSL	180°, 5%, 45%
HSV	180°, 10%, 48%
XYZ	16.6986, 18.4187, 20.8735
YIQ	117.4120, -7.1520, -2.5440

Conversions

Conversions Part 2

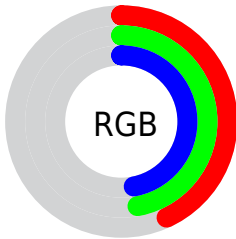
Format	Color
RYB	109, 115, 121
Decimal	7174521
CIELab	50.00, -4.44, -1.53
CIELCh	50, 4.700, 198.971
Yxy	18.4187, 0.2982, 0.3290
Android (android.graphics.Color)	4285364601 (0xFF6D7979)
YUV	117.4120, 1.7689, -7.3773
Hunter-Lab	42.9170, -5.6520, 1.2050

Details

The CIELCh color $50, 4.700, 198.971$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 4.989, 19.918$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 4.432, 199.142$, and $30, 5.059, 198.672$ is the 20% darker color. If you saturate the color by 10%, you get $49, 9.198, 198.431$, and if you desaturate by 10%, it is $51, 0.052, 12.033$.

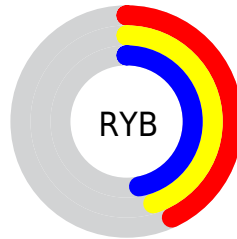
Distribution



Red (43%)

Green (47%)

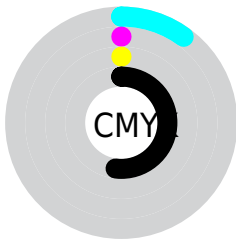
Blue (47%)



Red (43%)

Yellow (45%)

Blue (47%)

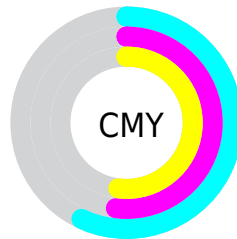


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (57%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.700, 198.971 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, 4.700, 198.971 by changing the saturation by 10% instead.

■ 50, 4.700, 198.971

■ 50, 4.700, 198.971

■ 100, 4.700,
198.971

■ 40, 4.700, 198.971

■ 70, 4.700, 198.971

■ 30, 4.700, 198.971

■ 80, 4.700, 198.971

■ 20, 4.700, 198.971

■ 90, 4.700, 198.971

■ 10, 4.700, 198.971

■ 0, 4.700, 198.971

■ 50, 4.700, 198.971

■ 50, 4.700, 198.971

■ 49, 9.198, 198.431

■ 51, 0.052, 12.033

■ 48, 13.370,
197.974

■ 52, 4.995, 19.870

■ 53, 10.073, 20.480

■ 48, 17.146,
197.572

■ 54, 15.239, 21.079

■ 47, 20.456,
197.226

■ 56, 20.452, 21.680

■ 57, 25.683, 22.284

■ 47, 23.244,
196.939

■ 59, 30.907, 22.885

■ 46, 25.468,
196.712

■ 60, 36.105, 23.482

■ 62, 41.265, 24.071

■ 46, 27.112,
196.546

■ 46, 28.194,
196.436

■ 46, 28.926,
196.362

Harmonies

Complementary

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



50, 4.700, 198.971



47, 4.989, 19.918

Rectangle

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



50, 4.700, 198.971



50, 4.700, 248.971



50, 4.700, 18.971



50, 4.700, 68.971

Sweetspot

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



50, 4.701, 198.957



65, 1.797, 199.486



50, 8.545, 143.476



33, 1.353, 199.400



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 4.701, 198.957



64, 7.036, 198.822



48, 4.151, 254.865



25, 2.700, 199.006



47, 29.548, 196.361



90, 49.741, 196.360

Inverse Universe

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



47, 4.989, 19.918



60, 7.582, 20.101



49, 4.254, 72.402



24, 2.851, 19.856



25, 60.070, 38.167



53, 103.775, 39.995

Previews

White Background



This preview shows how the CIE LCh color 50, 4.700, 198.971 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 4.700, 198.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

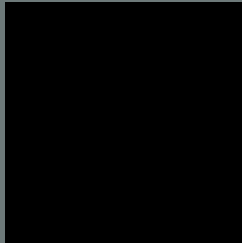
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

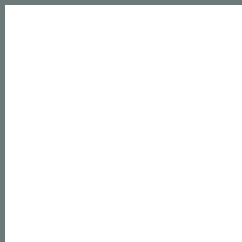
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 4.700, 198.971

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.700, 198.971.



This preview shows how white text looks on a background with the CIELCh color 50, 4.700, 198.971.

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

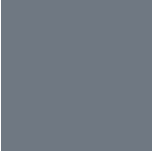
50, 4.700, 198.971

Protanopia

50, 1.352, 353.669

Deuteranopia

50, 7.349, 340.772



Tritanopia
50, 6.709, 260.184

Trichromacy



Original Color

50, 4.700, 198.971

Protanomaly

50, 0.985, 236.230

Deuteranomaly

50, 3.569, 324.606

Tritanomaly

50, 5.551, 246.886

Monochromacy



Original Color

50, 4.700, 198.971

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 1.595, 199.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 4.700, 198.971 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(109, 121, 121)` looks like.

```
.text, #text, p{  
    color:rgb(109, 121, 121)  
}
```

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(109, 121, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 121, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.700, 198.971 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(109, 121, 121) }
```

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

```
.border{ border-color:rgb(109, 121, 121) }
```

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

Here you see how a box with a 4 pixel rgb(109, 121, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 121, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 121, 121);  
box-shadow:4px 4px 4px 4px rgb(109, 121,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.700, 198.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 121, 121) }
```

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

```
.background{ background-color: rgb(109,  
121, 121) }
```

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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