

Converting Colors

CIELCh(49, 5.495, 200.709)

Have a look what the booklet for
CIELCh(49, 5.495, 200.709) contains.

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Color

CIELCh(49, 5.475, 198.867)

Conversions

Conversions Part 1

Format	Color
Hex	697777
RGB	105, 119, 119
RGB Percent	41%, 47%, 47%
CMY	0.5875, 0.5325, 0.5325
CMYK	0.12, 0.00, 0.00, 0.53
HSL	180°, 6%, 44%
HSV	180°, 12%, 47%
XYZ	15.8120, 17.5941, 20.0793
YIQ	114.8140, -8.3440, -2.9680

Conversions

Conversions Part 2

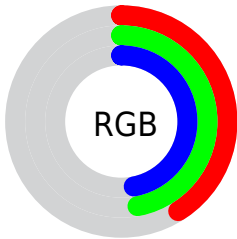
Format	Color
R _Y B	105, 112, 119
Decimal	6911863
CIE Lab	49.00, -5.18, -1.77
CIE LCh	49, 5.475, 198.867
Yxy	17.5941, 0.2956, 0.3290
Android (android.graphics.Color)	4285101943 (0xFF697777)
YUV	114.8140, 2.0637, -8.6069
Hunter-Lab	41.9453, -6.1156, 0.9795

Details

The CIELCh color $49, 5.475, 198.867$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 5.879, 20.060$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 5.528, 199.022$, and $29, 5.481, 198.587$ is the 20% darker color. If you saturate the color by 10%, you get $48, 9.855, 198.347$, and if you desaturate by 10%, it is $50, 0.834, 199.754$.

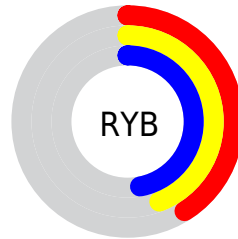
Distribution



Red (41%)

Green (47%)

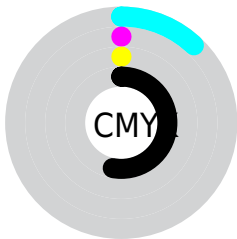
Blue (47%)



Red (41%)

Yellow (44%)

Blue (47%)

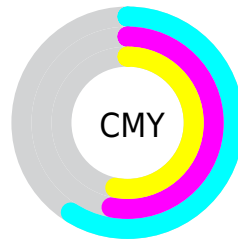


Cyan (12%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (59%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 5.475, 198.867 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 49, 5.475, 198.867 by changing the saturation by 10% instead.

■ 49, 5.475, 198.867

■ 49, 5.475, 198.867

■ 100, 5.475,
198.867

■ 39, 5.475, 198.867

■ 69, 5.475, 198.867

■ 29, 5.475, 198.867

■ 79, 5.475, 198.867

■ 19, 5.475, 198.867

■ 89, 5.475, 198.867

■ 9, 5.475, 198.867

■ 99, 5.475, 198.867

■ 0, 5.475, 198.867

■ 49, 5.475, 198.867

■ 49, 5.475, 198.867

■ 48, 9.855, 198.347

■ 50, 0.834, 199.754

■ 47, 13.901,
197.901

■ 51, 4.008, 19.750

47, 17.545,
197.509

52, 8.991, 20.369

46, 20.720,
197.174

53, 14.069, 20.967

55, 19.201, 21.567

46, 23.372,
196.898

56, 24.355, 22.169

46, 25.465,
196.683

57, 29.506, 22.770

59, 34.635, 23.367

45, 26.989,
196.527

60, 39.729, 23.956

45, 27.965,
196.427

45, 28.567,
196.366

Harmonies

Complementary

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



49, 5.475, 198.867



46, 5.879, 20.060

Rectangle

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



49, 5.475, 198.867



49, 5.475, 248.867



49, 5.475, 18.867



49, 5.475, 68.867

Sweetspot

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



49, 5.476, 198.856



64, 2.359, 199.371



49, 10.011, 143.362



33, 1.687, 199.311



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 5.476, 198.856



63, 8.058, 198.715



47, 4.851, 255.102



24, 2.606, 199.013



46, 29.113, 196.366



89, 49.359, 196.365

Inverse Universe

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



46, 5.879, 20.060



58, 8.796, 20.262



48, 5.000, 72.200



23, 2.750, 19.853



24, 59.038, 37.983



52, 102.981, 39.996

Previews

White Background



This preview shows how the CIELCh color 49, 5.475, 198.867 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 49, 5.475, 198.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

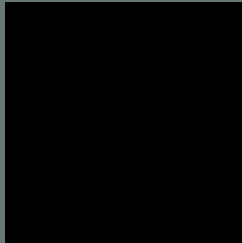
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 5.475, 198.867

Background



This preview shows how black text looks on a background with the CIELCh color 49, 5.475, 198.867.



This preview shows how white text looks on a background with the CIELCh color 49, 5.475, 198.867.

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

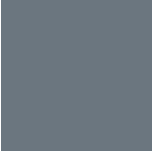
49, 5.475, 198.867

Protanopia

49, 1.008, 343.509

Deuteranopia

49, 7.064, 338.622



Tritanopia
49, 6.664, 251.816

Trichromacy



Original Color
49, 5.475, 198.867

Protanomaly
49, 1.691, 219.794

Deuteranomaly
49, 3.193, 312.615

Tritanomaly
49, 5.740, 237.056

Monochromacy



Original Color
49, 5.475, 198.867

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 2.390, 199.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 5.475, 198.867 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(105, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(105, 119, 119)  
}
```

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(105, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 119, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 5.475, 198.867 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(105, 119, 119) }
```

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

```
.border{ border-color:rgb(105, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(105, 119,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 5.475, 198.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 119, 119) }
```

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

```
.background{ background-color: rgb(105,  
119, 119) }
```

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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