

Converting Colors

CIELCh(49, 9.566, 315.779)

Have a look what the booklet for
CIELCh(49, 9.566, 315.779) contains.

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Color

CIELCh(49, 9.701, 315.126)

Conversions

Conversions Part 1

Format	Color
Hex	7B7180
RGB	123, 113, 128
RGB Percent	48%, 44%, 50%
CMY	0.5175, 0.5567, 0.4979
CMYK	0.04, 0.12, 0.00, 0.50
HSL	280°, 6%, 47%
HSV	280°, 12%, 50%
XYZ	17.9841, 17.5941, 22.8857
YIQ	117.7000, 1.1450, 6.7850

Conversions

Conversions Part 2

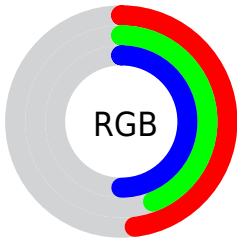
Format	Color
R _Y B	123, 113, 128
Decimal	8089984
CIE Lab	49.00, 6.87, -6.84
CIE LCh	49, 9.701, 315.126
Yxy	17.5941, 0.3076, 0.3009
Android (android.graphics.Color)	4286280064 (0xFF7B7180)
YUV	117.7000, 5.0779, 4.6481
Hunter-Lab	41.9453, 3.1278, -2.9874

Details

The CIELCh color $49, 9.701, 315.126$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 9.601, 134.199$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 9.586, 313.660$, and $29, 9.849, 314.566$ is the 20% darker color. If you saturate the color by 10%, you get $45, 18.157, 315.549$, and if you desaturate by 10%, it is $53, 1.408, 314.649$.

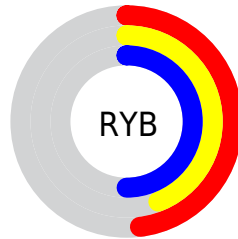
Distribution



Red (48%)

Green (44%)

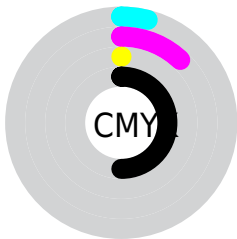
Blue (50%)



Red (48%)

Yellow (44%)

Blue (50%)

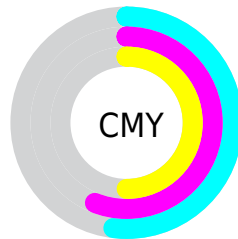


Cyan (4%)

Magenta (12%)

Yellow (0%)

Black (50%)



Cyan (52%)

Magenta (56%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.701, 315.126 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, 9.701, 315.126 by changing the saturation by 10% instead.

■ 49, 9.701, 315.126

■ 49, 9.701, 315.126

■ 100, 9.701,
315.126

■ 39, 9.701, 315.126

■ 69, 9.701, 315.126

■ 29, 9.701, 315.126

■ 79, 9.701, 315.126

■ 19, 9.701, 315.126

■ 89, 9.701, 315.126

■ 9, 9.701, 315.126

■ 99, 9.701, 315.126

■ 0, 9.701, 315.126

■ 49, 9.701, 315.126

■ 49, 9.701, 315.126

■ 45, 18.157,
315.549

■ 53, 1.408, 314.649

■ 41, 26.715,

■ 57, 6.683, 134.378

315.976

61, 14.556,
134.019

38, 35.268,
316.390

65, 22.206,
133.696

34, 43.647,
316.764

69, 29.636,
133.405

31, 51.601,
317.062

73, 36.851,
133.144

28, 58.788,
317.233

77, 43.860,
132.909

25, 64.791,
317.215

81, 50.674,
132.701

23, 69.199,
316.944

84, 57.302,
132.516

22, 72.167,
316.640

Harmonies

Complementary

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



49, 9.701, 315.126



52, 9.601, 134.199

Rectangle

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



49, 9.701, 315.126



49, 9.701, 5.126



49, 9.701, 135.126



49, 9.701, 185.126

Sweetspot

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



49, 9.699, 315.125



66, 4.060, 314.793



50, 6.019, 271.301



34, 2.909, 314.824



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 9.699, 315.125



61, 14.355, 315.235



49, 9.608, 329.493



25, 4.638, 315.014



22, 71.944, 316.644



0, 0.000, 0.000

Inverse Universe

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



49, 6.797, 354.713



61, 10.078, 354.983



52, 9.585, 148.146



25, 3.244, 354.446



26, 51.323, 16.110



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 9.701, 315.126 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, 9.701, 315.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

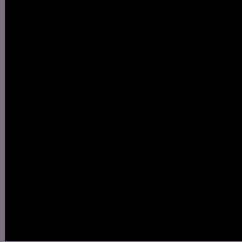
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.701, 315.126

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.701, 315.126.



This preview shows how white text looks on a background with the CIELCh color 49, 9.701, 315.126.

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, 9.701, 315.126

Protanopia

49, 8.225, 288.586

Deuteranopia

49, 9.548, 312.946



Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color

49, 9.701, 315.126

Protanomaly

49, 8.332, 299.271

Deuteranomaly

49, 9.548, 312.946

Tritanomaly

49, 7.235, 316.927

Monochromacy



Original Color

49, 9.701, 315.126

Achromatopsia

50, 0.007, 296.813

Achromatomaly

49, 3.887, 314.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.701, 315.126 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(123, 113, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 113, 128)  
}
```

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(123, 113, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 113, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.701, 315.126 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(123, 113, 128) }
```

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

```
.border{ border-color:rgb(123, 113, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 113, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 113, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 113, 128);  
box-shadow:4px 4px 4px 4px rgb(123, 113,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.701, 315.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 113, 128) }
```

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

```
.background{ background-color: rgb(123,  
113, 128) }
```

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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