

Converting Colors

CIELCh(49, 1.201, 19.580)

Have a look what the booklet for
CIELCh(49, 1.201, 19.580) contains.

CIELCh(49, 1.217, 19.240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 1.217, 19.240)

Conversions

Conversions Part 1

Format	Color
Hex	777474
RGB	119, 116, 116
RGB Percent	47%, 45%, 45%
CMY	0.5343, 0.5460, 0.5461
CMYK	0.00, 0.03, 0.03, 0.53
HSL	0°, 1%, 46%
HSV	0°, 3%, 47%
XYZ	16.9292, 17.5941, 18.9520
YIQ	116.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

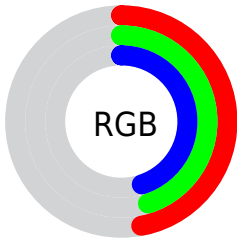
Format	Color
RYB	119, 116, 116
Decimal	7828596
CIELab	49.00, 1.15, 0.40
CIELCh	49, 1.217, 19.240
Yxy	17.5941, 0.3166, 0.3290
Android (android.graphics.Color)	4286018676 (0xFF777474)
YUV	116.8970, -0.4422, 1.8443
Hunter-Lab	41.9453, -1.3612, 2.5729

Details

The CIELCh color **49, 1.217, 19.240** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 1.197, 199.645**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 1.137, 19.078**, and **29, 1.338, 19.435** is the 20% darker color. If you saturate the color by 10%, you get **45, 6.261, 20.186**, and if you desaturate by 10%, it is **53, 3.465, 199.213**.

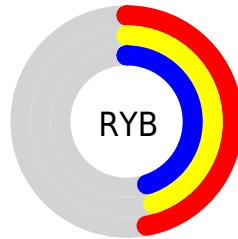
Distribution



Red (47%)

Green (45%)

Blue (45%)



Red (47%)

Yellow (45%)

Blue (45%)

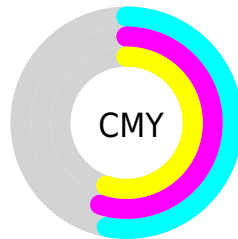


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (53%)



Cyan (53%)













Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 1.217, 19.240 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, 1.217, 19.240 by changing the saturation by 10% instead.

 49, 1.217, 19.240	 49, 1.217, 19.240
 100, 1.217, 19.240	 39, 1.217, 19.240
 69, 1.217, 19.240	 29, 1.217, 19.240
 79, 1.217, 19.240	 19, 1.217, 19.240
 89, 1.217, 19.240	 9, 1.217, 19.240
 99, 1.217, 19.240	 0, 1.217, 19.240

 49, 1.217, 19.240	 49, 1.217, 19.240
 45, 6.261, 20.186	 53, 3.465, 199.213
 42, 11.689, 21.027	 56, 7.811, 198.750
 38, 17.500, 22.085	 60, 11.857,

35, 23.661, 23.444	198.409
32, 30.094, 25.198	64, 15.634, 198.137
29, 36.667, 27.441	68, 19.176, 197.916
27, 43.189, 30.236	72, 22.511, 197.733
25, 49.398, 33.513	75, 25.664, 197.581
24, 54.466, 36.352	79, 28.657, 197.453
	83, 31.510, 197.345

Harmonies

Complementary

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



49, 1.217, 19.240



50, 1.197, 199.645

Rectangle

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



49, 1.217, 19.240



49, 1.217, 69.240



49, 1.217, 199.240



49, 1.217, 249.240

Sweetspot

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



49, 1.216, 19.298



64, 0.598, 18.759



49, 2.150, 324.492



33, 0.343, 18.693



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, 1.216, 19.298



63, 1.806, 19.386



49, 1.057, 74.893



24, 1.077, 19.454



24, 59.032, 38.003



52, 102.978, 40.005

Inverse Universe

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



50, 1.197, 199.645



64, 1.772, 199.560



49, 1.061, 255.949



24, 1.054, 199.494



46, 29.082, 196.490



89, 49.303, 196.496

Previews

White Background



This preview shows how the CIELCh color 49, 1.217, 19.240 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, 1.217, 19.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

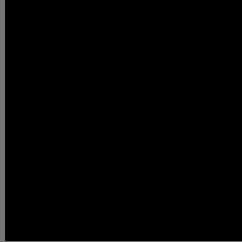
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

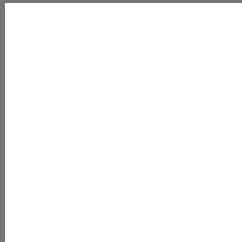
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 1.217, 19.240

Background



This preview shows how black text looks on a background with the CIELCh color 49, 1.217, 19.240.



This preview shows how white text looks on a background with the CIELCh color 49, 1.217, 19.240.

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, 1.217, 19.240

Protanopia

49, 1.217, 19.240

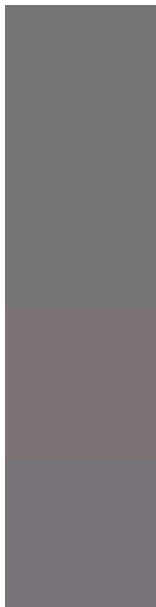
Deuteranopia

49, 6.410, 4.263



Tritanopia
49, 5.674, 311.263

Trichromacy



Original Color
49, 1.217, 19.240

Protanomaly
49, 1.217, 19.240

Deuteranomaly
49, 4.657, 5.344

Tritanomaly
49, 4.077, 319.976

Monochromacy



Original Color
49, 1.217, 19.240

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 0.404, 18.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 1.217, 19.240 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(119, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 116)  
}
```

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(119, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 1.217, 19.240 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(119, 116, 116) }
```

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

```
.border{ border-color:rgb(119, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 1.217, 19.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 116, 116) }
```

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

```
.background{ background-color: rgb(119,  
116, 116) }
```

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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