

Converting Colors

CIELCh(49, 3.547, 213.030)

Have a look what the booklet for
CIELCh(49, 3.547, 213.030) contains.

CIELCh(49, 3.703, 217.660)	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, 3.703, 217.660)

Conversions

Conversions Part 1

Format	Color
Hex	6D7678
RGB	109, 118, 120
RGB Percent	43%, 46%, 47%
CMY	0.5722, 0.5369, 0.5290
CMYK	0.09, 0.02, 0.00, 0.53
HSL	191°, 5%, 45%
HSV	191°, 9%, 47%
XYZ	16.2032, 17.5941, 20.3407
YIQ	115.5370, -6.0060, -1.2860

Conversions

Conversions Part 2

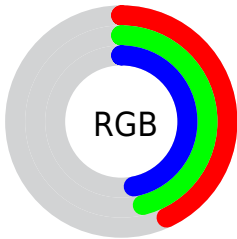
Format	Color
RYB	109, 114, 120
Decimal	7173752
CIELab	49.00, -2.93, -2.26
CIELCh	49, 3.703, 217.660
Yxy	17.5941, 0.2993, 0.3250
Android (android.graphics.Color)	4285363832 (0xFF6D7678)
YUV	115.5370, 2.2003, -5.7329
Hunter-Lab	41.9453, -4.4508, 0.6099

Details

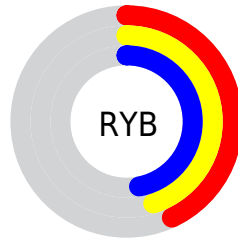
The CIELCh color $49, 3.703, 217.660$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 3.912, 37.184$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 3.490, 217.641$, and $29, 3.995, 217.763$ is the 20% darker color. If you saturate the color by 10%, you get $47, 7.543, 217.891$, and if you desaturate by 10%, it is $51, 0.346, 36.269$.

Distribution



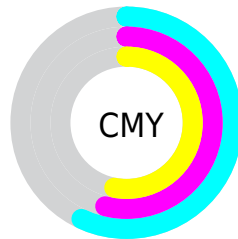
- Red (43%)
- Green (46%)
- Blue (47%)



- Red (43%)
- Yellow (45%)
- Blue (47%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)















- Cyan (57%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 3.703, 217.660 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, 3.703, 217.660 by changing the saturation by 10% instead.

 49, 3.703, 217.660	 49, 3.703, 217.660
 100, 3.703, 217.660	 39, 3.703, 217.660
 69, 3.703, 217.660	 29, 3.703, 217.660
 79, 3.703, 217.660	 19, 3.703, 217.660
 89, 3.703, 217.660	 9, 3.703, 217.660
 99, 3.703, 217.660	 0, 3.703, 217.660

 49, 3.703, 217.660	 49, 3.703, 217.660
 47, 7.543, 217.891	 51, 0.346, 36.269
 46, 11.120, 218.333	 52, 4.558, 37.187

45, 14.378,
218.976

54, 8.893, 37.215

43, 17.257,
219.863

56, 13.316, 37.272

58, 17.801, 37.366

42, 19.706,
221.050

59, 22.324, 37.490

41, 21.683,
222.598

61, 26.869, 37.635

63, 31.421, 37.796

40, 23.170,
224.577

65, 35.968, 37.968

39, 24.184,
227.052

38, 24.908,
229.868

Harmonies

Complementary

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



49, 3.703, 217.660



48, 3.912, 37.184

Rectangle

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



49, 3.703, 217.660



49, 3.703, 267.660



49, 3.703, 37.660



49, 3.703, 87.660

Sweetspot

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



49, 3.703, 217.640



64, 1.521, 217.713



49, 7.015, 148.867



33, 1.160, 217.670



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, 3.703, 217.640



62, 5.468, 217.674



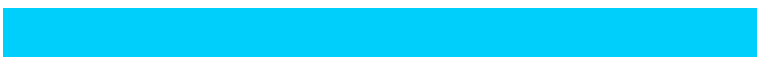
47, 4.540, 272.296



25, 2.313, 217.639



40, 25.695, 230.256



77, 43.349, 232.321

Inverse Universe

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



47, 6.960, 330.400



60, 10.344, 330.530



49, 4.539, 90.007



24, 4.347, 330.395



28, 59.415, 336.714



57, 99.306, 337.266

Previews

White Background



This preview shows how the CIELCh color 49, 3.703, 217.660 looks on a white background.

Color Contrast Check

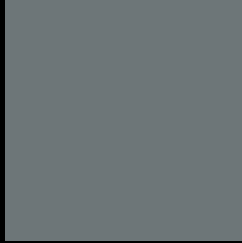
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.703, 217.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

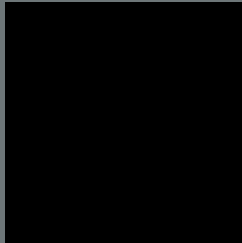
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

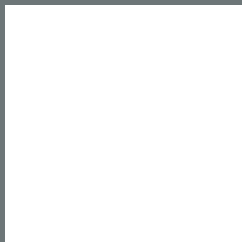
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 3.703, 217.660

Background



This preview shows how black text looks on a background with the CIELCh color 49, 3.703, 217.660.



This preview shows how white text looks on a background with the CIELCh color 49, 3.703, 217.660.

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, 3.703, 217.660

Protanopia

49, 1.950, 314.708

Deuteranopia

49, 6.768, 336.278



Tritanopia
49, 5.881, 263.572

Trichromacy



Original Color
49, 3.703, 217.660

Protanomaly
49, 1.412, 255.990

Deuteranomaly
49, 3.893, 314.833

Tritanomaly
49, 4.880, 256.893

Monochromacy



Original Color
49, 3.703, 217.660

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 1.599, 199.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 3.703, 217.660 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, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(109, 118, 120)  
}
```

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, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 118, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 3.703, 217.660 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, 118, 120) }
```

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

```
.border{ border-color:rgb(109, 118, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(109, 118,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 3.703, 217.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 118, 120) }
```

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

```
.background{ background-color: rgb(109,  
118, 120) }
```

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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