

Converting Colors

CIELCh(49, 8.833, 210.257)

Have a look what the booklet for
CIELCh(49, 8.833, 210.257) contains.

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Color

CIELCh(49, 8.820, 210.109)

Conversions

Conversions Part 1

Format	Color
Hex	62797C
RGB	98, 121, 124
RGB Percent	38%, 47%, 49%
CMY	0.6173, 0.5271, 0.5153
CMYK	0.21, 0.02, 0.00, 0.52
HSL	187°, 12%, 43%
HSV	187°, 21%, 48%
XYZ	15.3933, 17.5941, 21.5167
YIQ	114.4650, -14.6710, -3.9430

Conversions

Conversions Part 2

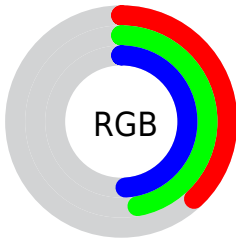
Format	Color
RYB	98, 110, 124
Decimal	6453628
CIELab	49.00, -7.63, -4.42
CIElCh	49, 8.820, 210.109
Yxy	17.5941, 0.2824, 0.3228
Android (android.graphics.Color)	4284643708 (0xFF62797C)
YUV	114.4650, 4.7008, -14.4398
Hunter-Lab	41.9453, -7.8975, -1.0523

Details

The CIELCh color **49, 8.820, 210.109** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 10.116, 30.671**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 8.756, 209.642**, and **29, 8.554, 211.330** is the 20% darker color. If you saturate the color by 10%, you get **48, 12.574, 210.199**, and if you desaturate by 10%, it is **50, 4.760, 210.142**.

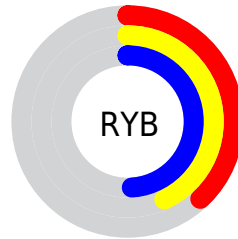
Distribution



Red (38%)

Green (47%)

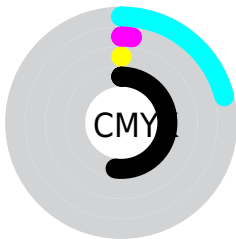
Blue (49%)



Red (38%)

Yellow (43%)

Blue (49%)

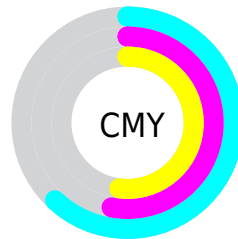


Cyan (21%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (62%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.820, 210.109 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, 8.820, 210.109 by changing the saturation by 10% instead.

■ 49, 8.820, 210.109	■ 49, 8.820, 210.109
■ 100, 8.820, 210.109	■ 39, 8.820, 210.109
■ 69, 8.820, 210.109	■ 29, 8.820, 210.109
■ 79, 8.820, 210.109	■ 19, 8.820, 210.109
■ 89, 8.820, 210.109	■ 9, 8.820, 210.109
■ 99, 8.820, 210.109	■ 0, 8.820, 210.109

■ 49, 8.820, 210.109	■ 49, 8.820, 210.109
■ 48, 12.574, 210.199	■ 50, 4.760, 210.142
■ 47, 15.955,	■ 52, 0.454, 211.011

210.442

53, 4.041, 30.217

46, 18.899,
210.859

55, 8.676, 30.485

45, 21.348,
211.485

56, 13.413, 30.757

44, 23.258,
212.358

58, 18.217, 31.050

43, 24.611,
213.521

60, 23.062, 31.361

42, 25.423,
215.015

61, 27.926, 31.683

42, 25.900,
216.516

63, 32.793, 32.013

Harmonies

Complementary

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



49, 8.820, 210.109



45, 10.116, 30.671

Rectangle

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



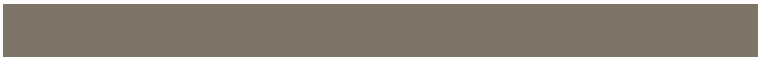
49, 8.820, 210.109



49, 8.820, 260.109



49, 8.820, 30.109



49, 8.820, 80.109

Sweetspot

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



49, 8.820, 210.102



65, 3.249, 210.240



49, 17.380, 145.939



34, 2.169, 210.225



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 8.820, 210.102



62, 12.803, 210.129



45, 9.978, 268.371



25, 2.424, 210.171



42, 26.103, 216.541



82, 43.782, 217.778

Inverse Universe

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



45, 17.225, 328.914



56, 25.389, 329.178



48, 10.198, 82.811



24, 4.555, 328.219



28, 62.426, 333.238



58, 104.595, 333.542

Previews

White Background



This preview shows how the CIELCh color 49, 8.820, 210.109 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, 8.820, 210.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

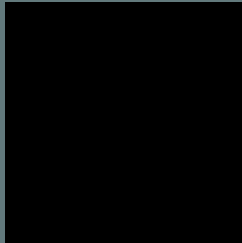
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 8.820, 210.109

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.820, 210.109.



This preview shows how white text looks on a background with the CIELCh color 49, 8.820, 210.109.

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, 8.820, 210.109

Protanopia

49, 3.632, 303.294

Deuteranopia

49, 8.134, 320.196



Tritanopia
49, 9.287, 233.581

Trichromacy



Original Color
49, 8.820, 210.109

Protanomaly
49, 3.974, 247.059

Deuteranomaly
49, 4.754, 281.336

Tritanomaly
49, 9.076, 225.720

Monochromacy



Original Color
49, 8.820, 210.109

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.212, 209.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.820, 210.109 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(98, 121, 124)` looks like.

```
.text, #text, p{  
    color:rgb(98, 121, 124)  
}
```

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(98, 121, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 121, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.820, 210.109 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(98, 121, 124) }
```

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

```
.border{ border-color:rgb(98, 121, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 121, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 121, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 121, 124);  
box-shadow:4px 4px 4px 4px rgb(98, 121,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.820, 210.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 121, 124) }
```

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

```
.background{ background-color: rgb(98, 121,  
124) }
```

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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