

Converting Colors

CIELCh(49, 9.443, 196.943)

Have a look what the booklet for
CIELCh(49, 9.443, 196.943) contains.

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Color

CIELCh(49, 9.508, 198.410)

Conversions

Conversions Part 1

Format	Color
Hex	607979
RGB	96, 121, 121
RGB Percent	38%, 47%, 47%
CMY	0.6229, 0.5248, 0.5249
CMYK	0.21, 0.00, 0.00, 0.52
HSL	180°, 12%, 43%
HSV	180°, 21%, 48%
XYZ	15.1587, 17.5941, 20.7384
YIQ	113.5250, -14.9000, -5.3000

Conversions

Conversions Part 2

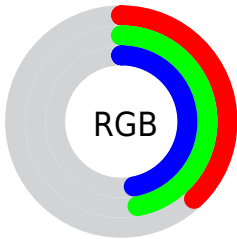
Format	Color
R_{YB}	96, 109, 121
Decimal	6322553
CIE _{Lab}	49.00, -9.02, -3.00
CIE _{LCh}	49, 9.508, 198.410
Yxy	17.5941, 0.2834, 0.3289
Android (android.graphics.Color)	4284512633 (0xFF607979)
YUV	113.5250, 3.6852, -15.3694
Hunter-Lab	41.9453, -8.8957, 0.0477

Details

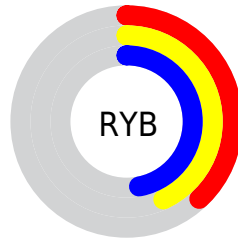
The CIELCh color $49, 9.508, 198.410$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 10.821, 20.799$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 9.403, 198.666$, and $29, 9.228, 202.055$ is the 20% darker color. If you saturate the color by 10%, you get $48, 13.649, 197.951$, and if you desaturate by 10%, it is $50, 5.038, 198.923$.

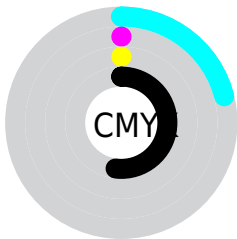
Distribution



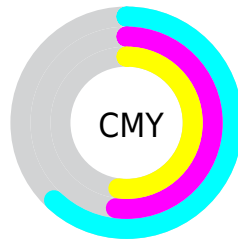
- Red (38%)
- Green (47%)
- Blue (47%)



- Red (38%)
- Yellow (43%)
- Blue (47%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (52%)



- Cyan (62%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.508, 198.410 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, 9.508, 198.410 by changing the saturation by 10% instead.

■ 49, 9.508, 198.410

■ 49, 9.508, 198.410

■ 100, 9.508,
198.410

■ 39, 9.508, 198.410

■ 69, 9.508, 198.410

■ 29, 9.508, 198.410

■ 79, 9.508, 198.410

■ 19, 9.508, 198.410

■ 89, 9.508, 198.410

■ 9, 9.508, 198.410

■ 99, 9.508, 198.410

■ 0, 9.508, 198.410

■ 49, 9.508, 198.410

■ 49, 9.508, 198.410

■ 48, 13.649,
197.951

■ 50, 5.038, 198.923

■ 48, 17.388,

■ 51, 0.308, 200.604

197.553

52, 4.617, 19.830

47, 20.657,
197.212

53, 9.681, 20.442

47, 23.401,
196.930

54, 14.835, 21.041

46, 25.580,
196.709

56, 20.040, 21.642

46, 27.180,
196.548

58, 30.484, 22.847

46, 28.220,
196.444

60, 35.678, 23.444

46, 28.901,
196.375

Harmonies

Complementary

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



49, 9.508, 198.410



43, 10.821, 20.799

Rectangle

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



49, 9.508, 198.410



49, 9.508, 248.410



49, 9.508, 18.410



49, 9.508, 68.410

Sweetspot

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



49, 9.508, 198.404



64, 3.570, 199.205



48, 17.884, 142.772



33, 2.353, 199.171



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, 9.508, 198.404



62, 14.093, 198.171



45, 8.585, 256.391



25, 2.700, 199.014



47, 29.547, 196.375



90, 49.738, 196.375

Inverse Universe

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



43, 10.821, 20.799



54, 16.600, 21.275



47, 9.092, 71.190



24, 2.851, 19.863



25, 60.073, 38.171



53, 103.779, 39.998

Previews

White Background



This preview shows how the CIELCh color 49, 9.508, 198.410 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, 9.508, 198.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

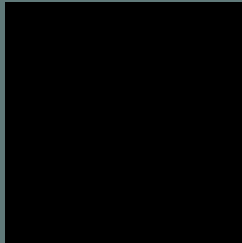
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.508, 198.410

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.508, 198.410.



This preview shows how white text looks on a background with the CIELCh color 49, 9.508, 198.410.

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, 9.508, 198.410

Protanopia

49, 1.437, 324.409

Deuteranopia

49, 7.374, 327.458



Tritanopia
49, 9.576, 232.364

Trichromacy



Original Color
49, 9.508, 198.410

Protanomaly
49, 3.203, 209.756

Deuteranomaly
49, 3.602, 278.025

Tritanomaly
49, 9.197, 221.244

Monochromacy



Original Color
49, 9.508, 198.410

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 3.565, 199.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.508, 198.410 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(96, 121, 121)` looks like.

```
.text, #text, p{  
    color:rgb(96, 121, 121)  
}
```

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(96, 121, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 121, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.508, 198.410 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(96, 121, 121) }
```

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

```
.border{ border-color:rgb(96, 121, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 121, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 121, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 121, 121);  
box-shadow:4px 4px 4px 4px rgb(96, 121,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.508, 198.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 121, 121) }
```

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

```
.background{ background-color: rgb(96, 121,  
121) }
```

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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