

Converting Colors

CIELCh(49, 9.943, 149.146)

Have a look what the booklet for
CIELCh(49, 9.943, 149.146) contains.

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Color

CIELCh(49, 9.358, 149.760)

Conversions

Conversions Part 1

Format	Color
Hex	69786C
RGB	105, 120, 108
RGB Percent	41%, 47%, 42%
CMY	0.5873, 0.5285, 0.5756
CMYK	0.12, 0.00, 0.10, 0.53
HSL	132°, 7%, 44%
HSV	132°, 12%, 47%
XYZ	15.3164, 17.5941, 16.8403
YIQ	114.1470, -5.0880, -6.9120

Conversions

Conversions Part 2

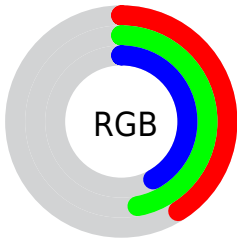
Format	Color
R_{YB}	105, 118, 120
Decimal	6912108
CIE Lab	49.00, -8.08, 4.71
CIE LCh	49, 9.358, 149.760
Yxy	17.5941, 0.3079, 0.3536
Android (android.graphics.Color)	4285102188 (0xFF69786C)
YUV	114.1470, -3.0305, -8.0219
Hunter-Lab	41.9453, -8.2248, 5.5578

Details

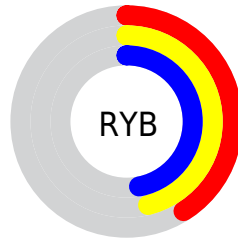
The CIELCh color $49, 9.358, 149.760$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 9.390, 331.247$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 9.418, 149.534$, and $29, 9.466, 149.839$ is the 20% darker color. If you saturate the color by 10%, you get $48, 16.910, 149.008$, and if you desaturate by 10%, it is $50, 1.845, 150.495$.

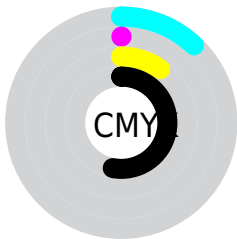
Distribution



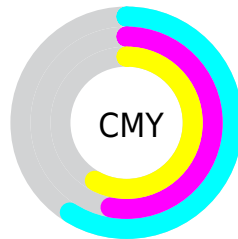
- Red (41%)
- Green (47%)
- Blue (42%)



- Red (41%)
- Yellow (46%)
- Blue (47%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (53%)



- Cyan (59%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.358, 149.760 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, 9.358, 149.760 by changing the saturation by 10% instead.

■ 49, 9.358, 149.760

■ 49, 9.358, 149.760

■ 100, 9.358,
149.760

■ 39, 9.358, 149.760

■ 69, 9.358, 149.760

■ 29, 9.358, 149.760

■ 79, 9.358, 149.760

■ 19, 9.358, 149.760

■ 89, 9.358, 149.760

■ 9, 9.358, 149.760

■ 99, 9.358, 149.760

■ 0, 9.358, 149.760

■ 49, 9.358, 149.760

■ 49, 9.358, 149.760

■ 48, 16.910,
149.008

■ 50, 1.845, 150.495

■ 47, 24.407,

■ 52, 5.565, 330.902

148.150

53, 12.820,
331.414

46, 31.735,
147.163

54, 19.888,
331.851

45, 38.762,
146.034

56, 26.749,
332.235

45, 45.337,
144.756

58, 33.393,
332.577

44, 51.307,
143.337

59, 39.818,
332.882

44, 56.522,
141.806

61, 46.027,
333.157

44, 60.851,
140.225

63, 52.027,
333.405

44, 63.610,
139.220

Harmonies

Complementary

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



49, 9.358, 149.760



46, 9.390, 331.247

Rectangle

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



49, 9.358, 149.760



49, 9.358, 199.760



49, 9.358, 329.760



49, 9.358, 19.760

Sweetspot

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



49, 9.359, 149.759



64, 3.681, 150.351



50, 8.813, 116.520



33, 2.638, 150.302



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, 9.359, 149.759



62, 13.906, 149.552



49, 6.611, 173.759



25, 4.278, 149.996



45, 65.502, 139.148



87, 112.644, 138.247

Inverse Universe

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



46, 9.390, 331.247



58, 13.955, 331.427



46, 6.827, 355.915



24, 4.291, 331.033



28, 58.629, 337.757



57, 97.935, 338.388

Previews

White Background



This preview shows how the CIELCh color 49, 9.358, 149.760 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, 9.358, 149.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

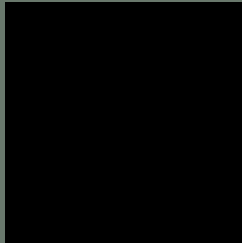
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.358, 149.760

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.358, 149.760.

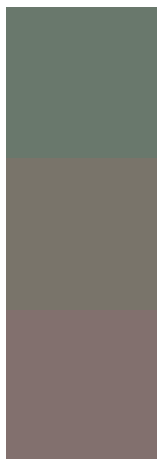


This preview shows how white text looks on a background with the CIELCh color 49, 9.358, 149.760.

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, 9.358, 149.760

Protanopia

49, 6.205, 89.625

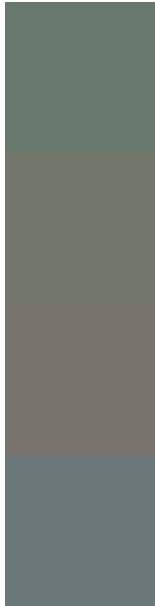
Deuteranopia

49, 7.641, 28.995



Tritanopia
49, 6.444, 254.460

Trichromacy



Original Color

49, 9.358, 149.760

Protanomaly

49, 6.555, 120.249

Deuteranomaly

49, 4.298, 74.209

Tritanomaly

49, 4.720, 206.136

Monochromacy



Original Color

49, 9.358, 149.760

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 3.120, 150.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.358, 149.760 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(105, 120, 108)` looks like.

```
.text, #text, p{  
    color:rgb(105, 120, 108)  
}
```

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(105, 120, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 120, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.358, 149.760 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(105, 120, 108) }
```

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

```
.border{ border-color:rgb(105, 120, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 120, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 120, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 120, 108); box-shadow:4px 4px 4px 4px rgb(105, 120, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.358, 149.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 120, 108) }
```

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

```
.background{ background-color: rgb(105,  
120, 108) }
```

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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