

Converting Colors

CIELCh(49, 6.239, 198.773)

Have a look what the booklet for
CIELCh(49, 6.239, 198.773) contains.

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Color

CIELCh(49, 6.222, 198.781)

Conversions

Conversions Part 1

Format	Color
Hex	687878
RGB	104, 120, 120
RGB Percent	41%, 47%, 47%
CMY	0.5938, 0.5311, 0.5311
CMYK	0.13, 0.00, 0.00, 0.53
HSL	180°, 7%, 44%
HSV	180°, 13%, 47%
XYZ	15.6899, 17.5941, 20.2027
YIQ	115.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

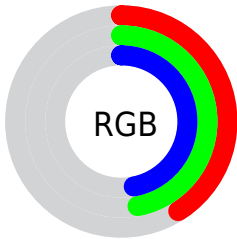
Format	Color
R_{YB}	104, 112, 120
Decimal	6846584
CIE Lab	49.00, -5.89, -2.00
CIE LCh	49, 6.222, 198.781
Yxy	17.5941, 0.2933, 0.3289
Android (android.graphics.Color)	4285036664 (0xFF687878)
YUV	115.2160, 2.3585, -9.8364
Hunter-Lab	41.9453, -6.6354, 0.8050

Details

The CIELCh color **49, 6.222, 198.781** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 6.750, 20.189**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 6.241, 198.954**, and **29, 6.266, 198.468** is the 20% darker color. If you saturate the color by 10%, you get **48, 10.563, 198.275**, and if you desaturate by 10%, it is **50, 1.607, 199.455**.

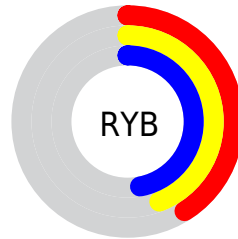
Distribution



Red (41%)

Green (47%)

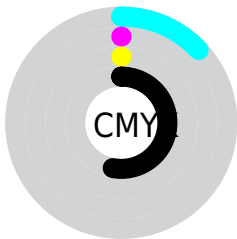
Blue (47%)



Red (41%)

Yellow (44%)

Blue (47%)

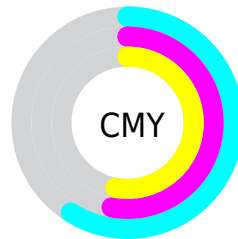


Cyan (13%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (59%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.222, 198.781 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, 6.222, 198.781 by changing the saturation by 10% instead.

■ 49, 6.222, 198.781

■ 49, 6.222, 198.781

■ 100, 6.222,
198.781

■ 39, 6.222, 198.781

■ 69, 6.222, 198.781

■ 29, 6.222, 198.781

■ 79, 6.222, 198.781

■ 19, 6.222, 198.781

■ 89, 6.222, 198.781

■ 9, 6.222, 198.781

■ 99, 6.222, 198.781

■ 0, 6.222, 198.781

■ 49, 6.222, 198.781

■ 49, 6.222, 198.781

■ 48, 10.563,
198.275

■ 50, 1.607, 199.455

■ 47, 14.559,

■ 51, 3.218, 19.641

197.837

52, 8.195, 20.276

47, 18.139,
197.455

53, 13.273, 20.874

46, 21.239,
197.130

55, 18.412, 21.473

46, 23.808,
196.864

56, 23.577, 22.076

46, 25.812,
196.659

59, 33.890, 23.275

45, 27.246,
196.513

60, 39.004, 23.866

45, 28.146,
196.422

45, 28.629,
196.373

Harmonies

Complementary

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



49, 6.222, 198.781



45, 6.750, 20.189

Rectangle

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



49, 6.222, 198.781



49, 6.222, 248.781



49, 6.222, 18.781



49, 6.222, 68.781

Sweetspot

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



49, 6.223, 198.771



64, 2.359, 199.375



49, 11.434, 143.259



33, 1.687, 199.315



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, 6.223, 198.771



62, 9.157, 198.613



47, 5.531, 255.321



24, 2.606, 199.017



46, 29.112, 196.373



89, 49.357, 196.372

Inverse Universe

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



45, 6.750, 20.189



57, 10.130, 20.431



47, 5.728, 72.019



23, 2.751, 19.857



24, 59.040, 37.985



52, 102.983, 39.998

Previews

White Background



This preview shows how the CIELCh color 49, 6.222, 198.781 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, 6.222, 198.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

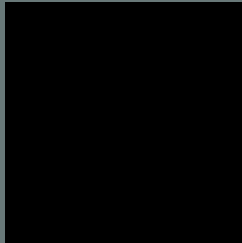
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 6.222, 198.781

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.222, 198.781.



This preview shows how white text looks on a background with the CIELCh color 49, 6.222, 198.781.

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

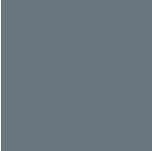
49, 6.222, 198.781

Protanopia

49, 1.008, 343.509

Deuteranopia

49, 6.768, 336.278



Tritanopia
49, 7.558, 250.310

Trichromacy



Original Color
49, 6.222, 198.781

Protanomaly
49, 1.691, 219.794

Deuteranomaly
49, 3.061, 305.677

Tritanomaly
49, 6.644, 231.056

Monochromacy



Original Color
49, 6.222, 198.781

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 2.390, 199.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 6.222, 198.781 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(104, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(104, 120, 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(104, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 120, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.222, 198.781 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(104, 120, 120) }
```

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

```
.border{ border-color:rgb(104, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(104, 120,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.222, 198.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 120, 120) }
```

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

```
.background{ background-color: rgb(104,  
120, 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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