

Converting Colors

CIELCh(49, 8.050, 240.761)

Have a look what the booklet for
CIELCh(49, 8.050, 240.761) contains.

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Color

CIELCh(49, 7.901, 241.094)

Conversions

Conversions Part 1

Format	Color
Hex	677780
RGB	103, 119, 128
RGB Percent	40%, 47%, 50%
CMY	0.5966, 0.5338, 0.4985
CMYK	0.20, 0.07, 0.00, 0.50
HSL	202°, 11%, 45%
HSV	202°, 20%, 50%
XYZ	16.0480, 17.5941, 22.9273
YIQ	115.2420, -12.4250, -0.5930

Conversions

Conversions Part 2

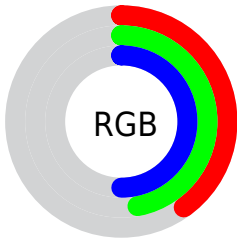
Format	Color
R_{YB}	103, 113, 128
Decimal	6780800
CIE Lab	49.00, -3.82, -6.92
CIE LCh	49, 7.901, 241.094
Yxy	17.5941, 0.2837, 0.3110
Android (android.graphics.Color)	4284970880 (0xFF677780)
YUV	115.2420, 6.2897, -10.7362
Hunter-Lab	41.9453, -5.1110, -3.0463

Details

The CIELCh color **49, 7.901, 241.094** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 8.663, 57.313**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 8.095, 241.928**, and **29, 8.032, 238.755** is the 20% darker color. If you saturate the color by 10%, you get **47, 11.703, 242.481**, and if you desaturate by 10%, it is **51, 3.927, 239.979**.

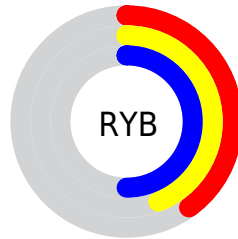
Distribution



Red (40%)

Green (47%)

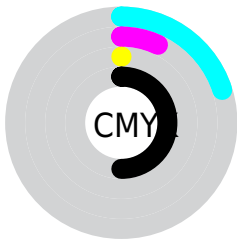
Blue (50%)



Red (40%)

Yellow (44%)

Blue (50%)

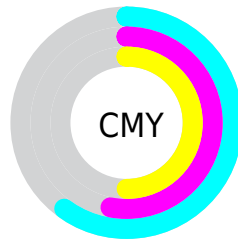


Cyan (20%)

Magenta (7%)

Yellow (0%)

Black (50%)



Cyan (60%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 7.901, 241.094 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, 7.901, 241.094 by changing the saturation by 10% instead.

■ 49, 7.901, 241.094

■ 49, 7.901, 241.094

■ 100, 7.901,
241.094

■ 39, 7.901, 241.094

■ 69, 7.901, 241.094

■ 29, 7.901, 241.094

■ 79, 7.901, 241.094

■ 19, 7.901, 241.094

■ 89, 7.901, 241.094

■ 9, 7.901, 241.094

■ 99, 7.901, 241.094

■ 0, 7.901, 241.094

■ 49, 7.901, 241.094

■ 49, 7.901, 241.094

■ 47, 11.703,
242.481

■ 51, 3.927, 239.979

■ 45, 15.298,

■ 54, 0.184, 57.111

244.201

56, 4.401, 58.097

42, 18.651,
246.313

58, 8.695, 57.493

40, 21.740,
248.889

61, 13.045, 56.972

38, 24.557,
252.001

63, 17.430, 56.531

37, 27.125,
255.698

68, 26.248, 55.839

35, 29.501,
259.981

71, 30.658, 55.566

33, 31.852,
264.485

33, 31.963,
264.676

Harmonies

Complementary

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



49, 7.901, 241.094



48, 8.663, 57.313

Rectangle

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



49, 7.901, 241.094



49, 7.901, 291.094



49, 7.901, 61.094



49, 7.901, 111.094

Sweetspot

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



49, 7.901, 241.086



66, 3.068, 239.683



51, 13.822, 154.934



35, 2.049, 239.724



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 7.901, 241.086



61, 11.404, 241.606



45, 12.709, 285.584



26, 2.314, 239.936



33, 31.890, 264.659



0, 0.000, 0.000

Inverse Universe

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



46, 13.874, 338.204



58, 20.217, 338.519



52, 12.363, 101.177



25, 3.961, 337.406



27, 53.630, 348.644



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 7.901, 241.094 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 CIELCh color 49, 7.901, 241.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

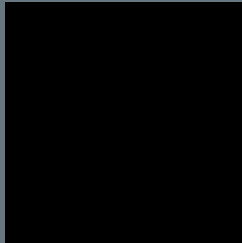
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

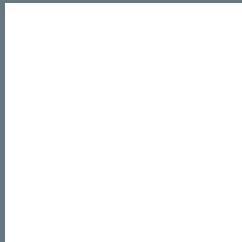
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 7.901, 241.094

Background



This preview shows how black text looks on a background with the CIELCh color 49, 7.901, 241.094.



This preview shows how white text looks on a background with the CIELCh color 49, 7.901, 241.094.

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, 7.901, 241.094

Protanopia

49, 6.490, 294.480

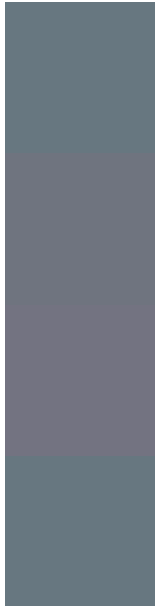
Deuteranopia

49, 10.094, 311.725



Tritanopia
49, 7.901, 241.094

Trichromacy



Original Color
49, 7.901, 241.094

Protanomaly
49, 6.707, 274.372

Deuteranomaly
49, 8.235, 291.266

Tritanomaly
49, 7.901, 241.094

Monochromacy



Original Color
49, 7.901, 241.094

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 3.043, 250.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 7.901, 241.094 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(103, 119, 128)` looks like.

```
.text, #text, p{  
    color:rgb(103, 119, 128)  
}
```

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(103, 119, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 119, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 7.901, 241.094 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(103, 119, 128) }
```

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

```
.border{ border-color:rgb(103, 119, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 119, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 119, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 119, 128);  
box-shadow:4px 4px 4px 4px rgb(103, 119,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 7.901, 241.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 119, 128) }
```

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

```
.background{ background-color: rgb(103,  
119, 128) }
```

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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