

Converting Colors

CIELCh(49, 7.677, 344.586)

Have a look what the booklet for
CIELCh(49, 7.677, 344.586) contains.

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Color

CIELCh(49, 8.027, 344.631)

Conversions

Conversions Part 1

Format	Color
Hex	807078
RGB	128, 112, 120
RGB Percent	50%, 44%, 47%
CMY	0.4973, 0.5600, 0.5287
CMYK	0.00, 0.12, 0.06, 0.50
HSL	330°, 7%, 47%
HSV	330°, 12%, 50%
XYZ	18.1472, 17.5941, 20.2688
YIQ	117.6960, 6.9680, 5.8800

Conversions

Conversions Part 2

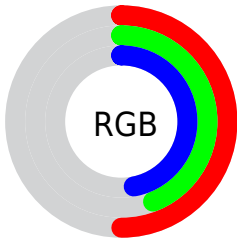
Format	Color
R_{YB}	128, 112, 120
Decimal	8417400
CIE _{Lab}	49.00, 7.74, -2.13
CIE _{LCh}	49, 8.027, 344.631
Yxy	17.5941, 0.3240, 0.3141
Android (android.graphics.Color)	4286607480 (0xFF807078)
YUV	117.6960, 1.1359, 9.0366
Hunter-Lab	41.9453, 3.8219, 0.7116

Details

The CIELCh color $49, 8.027, 344.631$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 7.902, 162.678$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 7.825, 346.014$, and $29, 8.416, 343.317$ is the 20% darker color. If you saturate the color by 10%, you get $45, 14.592, 345.560$, and if you desaturate by 10%, it is $53, 1.580, 343.665$.

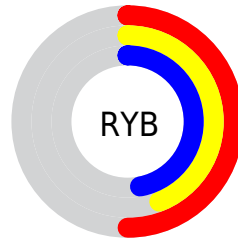
Distribution



Red (50%)

Green (44%)

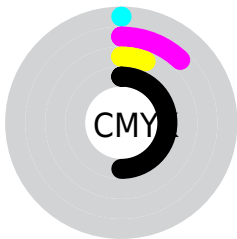
Blue (47%)



Red (50%)

Yellow (44%)

Blue (47%)

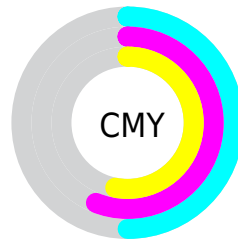


Cyan (0%)

Magenta (12%)

Yellow (6%)

Black (50%)



Cyan (50%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.027, 344.631 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, 8.027, 344.631 by changing the saturation by 10% instead.

■ 49, 8.027, 344.631

■ 49, 8.027, 344.631

■ 100, 8.027,
344.631

■ 39, 8.027, 344.631

■ 69, 8.027, 344.631

■ 29, 8.027, 344.631

■ 79, 8.027, 344.631

■ 19, 8.027, 344.631

■ 89, 8.027, 344.631

■ 9, 8.027, 344.631

■ 99, 8.027, 344.631

■ 0, 8.027, 344.631

■ 49, 8.027, 344.631

■ 49, 8.027, 344.631

■ 45, 14.592,
345.560

■ 53, 1.580, 343.665

■ 42, 21.189,

■ 57, 4.692, 163.163

346.584

60, 10.765,
162.440

39, 27.677,
347.746

64, 16.632,
161.795

35, 33.849,
349.094

68, 22.293,
161.202

33, 39.437,
350.695

72, 27.758,
160.651

30, 44.129,
352.644

76, 33.037,
160.139

29, 47.634,
355.064

80, 38.145,
159.660

27, 49.784,
358.099

83, 43.095,
159.213

27, 51.032, 0.581

Harmonies

Complementary

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



49, 8.027, 344.631



52, 7.902, 162.678

Rectangle

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



49, 8.027, 344.631



49, 8.027, 34.631



49, 8.027, 164.631



49, 8.027, 214.631

Sweetspot

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



49, 8.025, 344.635



66, 3.143, 343.865



49, 9.978, 309.603



34, 2.253, 343.933



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, 8.025, 344.635



61, 11.934, 344.892



49, 6.650, 20.134



25, 3.593, 344.334



26, 50.836, 0.556



0, 0.000, 0.000

Inverse Universe

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



49, 8.025, 344.635



61, 11.934, 344.892



52, 6.162, 198.822



25, 3.593, 344.334



26, 50.836, 0.556



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 8.027, 344.631 looks on a white background.

Color Contrast Check

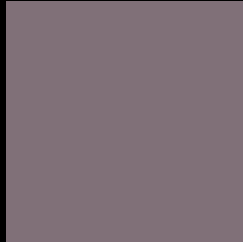
Large Text (above 18pt) WCAG AA ✓ Pass

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, 8.027, 344.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

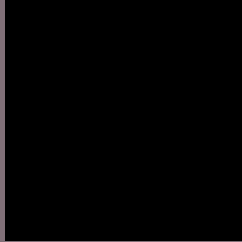
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 8.027, 344.631

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.027, 344.631.



This preview shows how white text looks on a background with the CIELCh color 49, 8.027, 344.631.

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, 8.027, 344.631

Protanopia

49, 3.555, 297.049

Deuteranopia

49, 6.696, 342.392



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 8.027, 344.631

Protanomaly
49, 4.290, 324.659

Deuteranomaly
49, 7.022, 344.499

Tritanomaly
49, 8.372, 341.352

Monochromacy



Original Color
49, 8.027, 344.631

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 3.010, 343.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.027, 344.631 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(128, 112, 120)` looks like.

```
.text, #text, p{  
    color:rgb(128, 112, 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(128, 112, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 112, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.027, 344.631 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(128, 112, 120) }
```

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

```
.border{ border-color:rgb(128, 112, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 112, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 112, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 112, 120);  
box-shadow:4px 4px 4px 4px rgb(128, 112,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.027, 344.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 112, 120) }
```

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

```
.background{ background-color: rgb(128,  
112, 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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