

Converting Colors

CIELCh(49, 2.494, 340.993)

Have a look what the booklet for
CIELCh(49, 2.494, 340.993) contains.

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Color

CIELCh(49, 2.697, 338.833)

Conversions

Conversions Part 1

Format	Color
Hex	787376
RGB	120, 115, 118
RGB Percent	47%, 45%, 46%
CMY	0.5290, 0.5486, 0.5369
CMYK	0.00, 0.04, 0.02, 0.53
HSL	324°, 2%, 46%
HSV	324°, 4%, 47%
XYZ	17.1770, 17.5941, 19.6607
YIQ	116.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

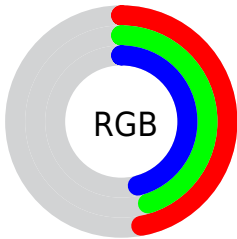
Format	Color
R_{YB}	120, 115, 118
Decimal	7893878
CIE Lab	49.00, 2.52, -0.97
CIE LCh	49, 2.697, 338.833
Yxy	17.5941, 0.3156, 0.3232
Android (android.graphics.Color)	4286083958 (0xFF787376)
YUV	116.8370, 0.5734, 2.7740
Hunter-Lab	41.9453, -0.3066, 1.5711

Details

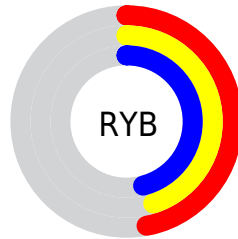
The CIELCh color $49, 2.697, 338.833$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 2.678, 158.440$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 2.524, 338.713$, and $29, 2.952, 339.034$ is the 20% darker color. If you saturate the color by 10%, you get $46, 9.251, 339.651$, and if you desaturate by 10%, it is $53, 3.722, 158.315$.

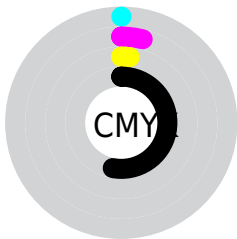
Distribution



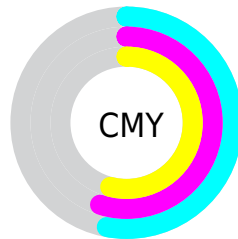
- Red (47%)
- Green (45%)
- Blue (46%)



- Red (47%)
- Yellow (45%)
- Blue (46%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 2.697, 338.833 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, 2.697, 338.833 by changing the saturation by 10% instead.

■ 49, 2.697, 338.833

■ 49, 2.697, 338.833

■ 100, 2.697,
338.833

■ 39, 2.697, 338.833

■ 69, 2.697, 338.833

■ 29, 2.697, 338.833

■ 79, 2.697, 338.833

■ 19, 2.697, 338.833

■ 89, 2.697, 338.833

■ 9, 2.697, 338.833

■ 99, 2.697, 338.833

■ 0, 2.697, 338.833

■ 49, 2.697, 338.833

■ 49, 2.697, 338.833

■ 46, 9.251, 339.651

■ 53, 3.722, 158.315

■ 42, 15.881,
340.469

■ 56, 9.966, 157.630

39, 22.483,
341.357

60, 16.022,
157.020

36, 28.904,
342.340

63, 21.886,
156.455

33, 34.928,
343.447

67, 27.561,
155.927

31, 40.284,
344.725

71, 33.057,
155.432

28, 44.663,
346.236

74, 38.383,
154.968

27, 47.785,
348.068

78, 43.551,
154.531

26, 49.542,
350.307

82, 48.574,
154.121

Harmonies

Complementary

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



49, 2.697, 338.833



50, 2.678, 158.440

Rectangle

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



49, 2.697, 338.833



49, 2.697, 28.833



49, 2.697, 158.833



49, 2.697, 208.833

Sweetspot

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



49, 2.695, 338.841



64, 0.802, 338.329



49, 3.060, 305.677



33, 0.460, 338.294



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, 2.695, 338.841



62, 4.004, 338.927



49, 2.058, 11.288



25, 2.225, 338.956



26, 51.826, 351.794



55, 86.433, 353.580

Inverse Universe

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



49, 2.695, 338.841



62, 4.004, 338.927



50, 2.015, 191.026



25, 2.225, 338.956



26, 51.826, 351.794



55, 86.433, 353.580

Previews

White Background



This preview shows how the CIELCh color 49, 2.697, 338.833 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, 2.697, 338.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

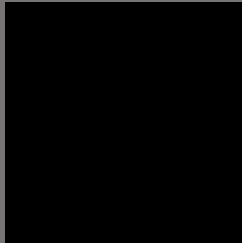
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

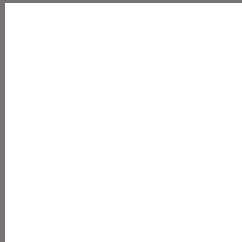
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 2.697, 338.833

Background



This preview shows how black text looks on a background with the CIELCh color 49, 2.697, 338.833.



This preview shows how white text looks on a background with the CIELCh color 49, 2.697, 338.833.

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, 2.697, 338.833

Protanopia

49, 1.950, 314.708

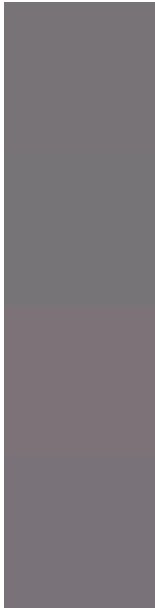
Deuteranopia

49, 6.706, 348.590



Tritanopia
49, 6.012, 318.422

Trichromacy



Original Color

49, 2.697, 338.833

Protanomaly

49, 2.150, 324.492

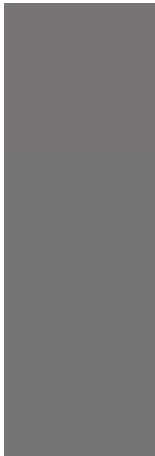
Deuteranomaly

49, 5.020, 344.234

Tritanomaly

49, 5.007, 324.708

Monochromacy



Original Color

49, 2.697, 338.833

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 1.008, 343.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 2.697, 338.833 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(120, 115, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 118)  
}
```

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(120, 115, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 2.697, 338.833 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(120, 115, 118) }
```

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

```
.border{ border-color:rgb(120, 115, 118) }
```

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

Here you see how a box with a 4 pixel rgb(120, 115, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 115, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 115, 118);  
box-shadow:4px 4px 4px 4px rgb(120, 115,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 2.697, 338.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 118) }
```

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

```
.background{ background-color: rgb(120,  
115, 118) }
```

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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