

Converting Colors

CIELCh(49, 2.528, 234.646)

Have a look what the booklet for
CIELCh(49, 2.528, 234.646) contains.

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Color

CIELCh(49, 2.625, 241.607)

Conversions

Conversions Part 1

Format	Color
Hex	707578
RGB	112, 117, 120
RGB Percent	44%, 46%, 47%
CMY	0.5599, 0.5403, 0.5285
CMYK	0.07, 0.02, 0.00, 0.53
HSL	202°, 3%, 46%
HSV	202°, 7%, 47%
XYZ	16.5001, 17.5941, 20.3657
YIQ	115.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

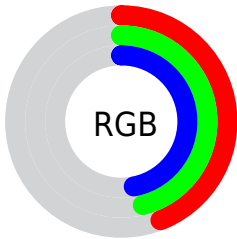
Format	Color
R_{YB}	112, 115, 120
Decimal	7370104
CIE _{Lab}	49.00, -1.25, -2.31
CIE _{LCh}	49, 2.625, 241.607
Yxy	17.5941, 0.3030, 0.3231
Android (android.graphics.Color)	4285560184 (0xFF707578)
YUV	115.8470, 2.0474, -3.3738
Hunter-Lab	41.9453, -3.1873, 0.5746

Details

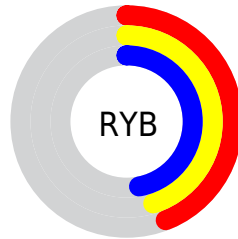
The CIELCh color **49, 2.625, 241.607** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 2.693, 60.107**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 2.466, 241.466**, and **29, 2.852, 241.958** is the 20% darker color. If you saturate the color by 10%, you get **47, 6.466, 242.632**, and if you desaturate by 10%, it is **51, 1.329, 60.286**.

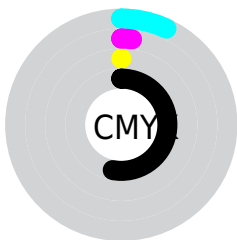
Distribution



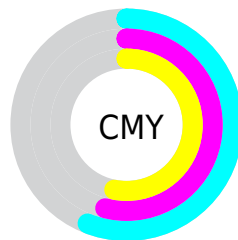
- Red (44%)
- Green (46%)
- Blue (47%)



- Red (44%)
- Yellow (45%)
- Blue (47%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)





















- Cyan (56%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 2.625, 241.607 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, 2.625, 241.607 by changing the saturation by 10% instead.

 49, 2.625, 241.607	 49, 2.625, 241.607
 100, 2.625, 241.607	 39, 2.625, 241.607
 69, 2.625, 241.607	 29, 2.625, 241.607
 79, 2.625, 241.607	 19, 2.625, 241.607
 89, 2.625, 241.607	 9, 2.625, 241.607
 99, 2.625, 241.607	 0, 2.625, 241.607

 49, 2.625, 241.607	 49, 2.625, 241.607
 47, 6.466, 242.632	 51, 1.329, 60.286
 45, 10.166, 243.984	 54, 5.367, 59.692

42, 13.692,
245.644

56, 9.467, 59.072

40, 17.015,
247.672

58, 13.609, 58.539

61, 17.776, 58.084

38, 20.111,
250.136

63, 21.956, 57.695

36, 22.970,
253.106

65, 26.137, 57.360

68, 30.311, 57.070

34, 25.606,
256.634

70, 34.471, 56.816

33, 28.065,
260.732

31, 30.454,
265.208

Harmonies

Complementary

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



49, 2.625, 241.607



49, 2.693, 60.107

Rectangle

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



49, 2.625, 241.607



49, 2.625, 291.607



49, 2.625, 61.607



49, 2.625, 111.607

Sweetspot

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



49, 2.625, 241.577



64, 0.983, 241.395



50, 4.401, 156.704



33, 0.563, 241.411



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, 2.625, 241.577



62, 3.886, 241.714



48, 4.109, 284.855



25, 2.245, 241.799



32, 32.255, 266.837



63, 56.403, 269.783

Inverse Universe

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



48, 4.402, 337.882



61, 6.541, 338.002



50, 4.060, 103.434



24, 3.788, 338.071



26, 52.467, 349.749



55, 87.456, 351.363

Previews

White Background



This preview shows how the CIE LCh color 49, 2.625, 241.607 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, 2.625, 241.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

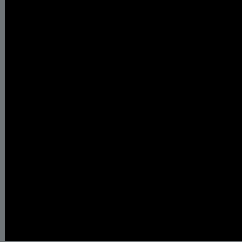
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

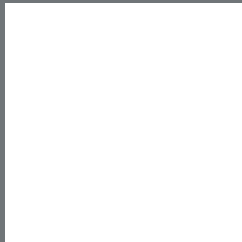
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 2.625, 241.607

Background



This preview shows how black text looks on a background with the CIELCh color 49, 2.625, 241.607.



This preview shows how white text looks on a background with the CIELCh color 49, 2.625, 241.607.

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, 2.625, 241.607

Protanopia

49, 1.817, 303.154

Deuteranopia

49, 6.768, 336.278



Tritanopia
49, 5.970, 279.727

Trichromacy



Original Color

49, 2.625, 241.607

Protanomaly

49, 1.805, 277.680

Deuteranomaly

49, 4.077, 319.976

Tritanomaly

49, 4.826, 276.763

Monochromacy



Original Color

49, 2.625, 241.607

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 1.240, 271.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 2.625, 241.607 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(112, 117, 120)` looks like.

```
.text, #text, p{  
    color:rgb(112, 117, 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(112, 117, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 117, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 2.625, 241.607 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(112, 117, 120) }
```

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

```
.border{ border-color:rgb(112, 117, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 117, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 117, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 117, 120);  
box-shadow:4px 4px 4px 4px rgb(112, 117,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 2.625, 241.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 117, 120) }
```

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

```
.background{ background-color: rgb(112,  
117, 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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