

Converting Colors

CIELCh(49, 2.387, 188.877)

Have a look what the booklet for
CIELCh(49, 2.387, 188.877) contains.

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Color

CIELCh(49, 2.474, 185.554)

Conversions

Conversions Part 1

Format	Color
Hex	707675
RGB	112, 118, 117
RGB Percent	44%, 46%, 46%
CMY	0.5619, 0.5384, 0.5423
CMYK	0.05, 0.00, 0.01, 0.54
HSL	170°, 3%, 45%
HSV	170°, 5%, 46%
XYZ	16.2856, 17.5941, 19.2800
YIQ	116.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

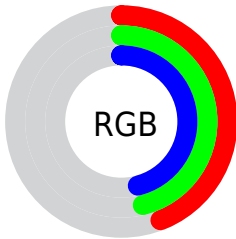
Format	Color
R_{YB}	112, 115, 118
Decimal	7370357
CIE Lab	49.00, -2.46, -0.24
CIE LCh	49, 2.474, 185.554
Yxy	17.5941, 0.3064, 0.3310
Android (android.graphics.Color)	4285560437 (0xFF707675)
YUV	116.0920, 0.4476, -3.5887
Hunter-Lab	41.9453, -4.1002, 2.1093

Details

The CIELCh color $49, 2.474, 185.554$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 2.530, 6.095$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 2.318, 185.727$, and $29, 2.699, 185.264$ is the 20% darker color. If you saturate the color by 10%, you get $48, 7.230, 184.605$, and if you desaturate by 10%, it is $50, 2.411, 6.049$.

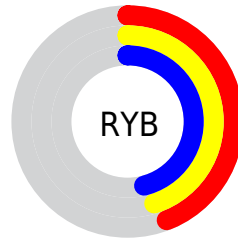
Distribution



Red (44%)

Green (46%)

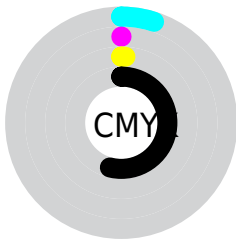
Blue (46%)



Red (44%)

Yellow (45%)

Blue (46%)

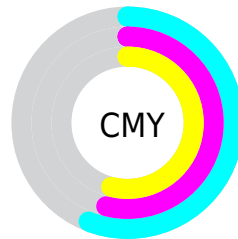


Cyan (5%)

Magenta (0%)

Yellow (1%)

Black (54%)



Cyan (56%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 2.474, 185.554 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, 2.474, 185.554 by changing the saturation by 10% instead.

■ 49, 2.474, 185.554

■ 49, 2.474, 185.554

■ 100, 2.474,
185.554

■ 39, 2.474, 185.554

■ 69, 2.474, 185.554

■ 29, 2.474, 185.554

■ 79, 2.474, 185.554

■ 19, 2.474, 185.554

■ 89, 2.474, 185.554

■ 9, 2.474, 185.554

■ 99, 2.474, 185.554

■ 0, 2.474, 185.554

■ 49, 2.474, 185.554

■ 49, 2.474, 185.554

■ 48, 7.230, 184.605

■ 50, 2.411, 6.049

■ 47, 11.789,
183.720

■ 51, 7.374, 6.928

■ 46, 16.083,
182.804

■ 52, 12.369, 7.706

■ 46, 20.036,
181.840

■ 54, 17.360, 8.452

■ 45, 23.576,
180.813

■ 55, 22.321, 9.176

■ 45, 26.640,
179.706

■ 58, 32.076, 10.560

■ 44, 29.183,
178.499

■ 60, 36.846, 11.223

■ 44, 31.188,
177.174

■ 61, 41.538, 11.866

■ 44, 32.707,
175.731

Harmonies

Complementary

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



49, 2.474, 185.554



48, 2.530, 6.095

Rectangle

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



49, 2.474, 185.554



49, 2.474, 235.554



49, 2.474, 5.554



49, 2.474, 55.554

Sweetspot

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



49, 2.475, 185.532



63, 1.206, 185.991



49, 4.057, 139.123



32, 0.682, 186.033



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 2.475, 185.532



62, 3.607, 185.421



48, 1.964, 234.173



24, 1.905, 185.404



46, 34.388, 174.970



88, 58.952, 173.989

Inverse Universe

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



48, 2.530, 6.095



61, 3.702, 6.212



48, 2.008, 53.107



23, 1.956, 6.230



24, 54.129, 29.764



52, 94.521, 32.862

Previews

White Background



This preview shows how the CIELCh color 49, 2.474, 185.554 looks on a white background.

Color Contrast Check

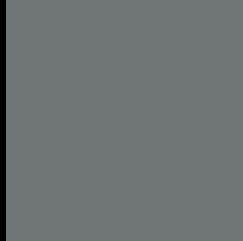
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.474, 185.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

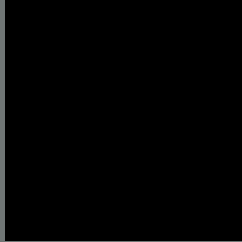
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

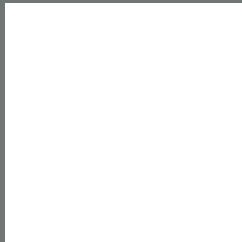
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 2.474, 185.554

Background



This preview shows how black text looks on a background with the CIELCh color 49, 2.474, 185.554.



This preview shows how white text looks on a background with the CIELCh color 49, 2.474, 185.554.

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, 2.474, 185.554

Protanopia

49, 0.810, 19.041

Deuteranopia

49, 6.428, 353.067



Tritanopia
49, 5.970, 279.727

Trichromacy



Original Color

49, 2.474, 185.554

Protanomaly

49, 0.710, 144.642

Deuteranomaly

49, 3.015, 343.945

Tritanomaly

49, 3.830, 266.496

Monochromacy



Original Color

49, 2.474, 185.554

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 1.346, 173.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 2.474, 185.554 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, 118, 117)` looks like.

```
.text, #text, p{  
    color:rgb(112, 118, 117)  
}
```

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, 118, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 118, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 2.474, 185.554 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, 118, 117) }
```

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

```
.border{ border-color:rgb(112, 118, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 118, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 118, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 118, 117);  
box-shadow:4px 4px 4px 4px rgb(112, 118,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 2.474, 185.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 118, 117) }
```

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

```
.background{ background-color: rgb(112,  
118, 117) }
```

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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