

Converting Colors

CIELCh(49, 5.833, 27.987)

Have a look what the booklet for
CIELCh(49, 5.833, 27.987) contains.

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Color

CIELCh(49, 5.842, 25.744)

Conversions

Conversions Part 1

Format	Color
Hex	7F7170
RGB	127, 113, 112
RGB Percent	50%, 44%, 44%
CMY	0.5007, 0.5556, 0.5596
CMYK	0.00, 0.11, 0.12, 0.50
HSL	4°, 6%, 47%
HSV	4°, 12%, 50%
XYZ	17.6827, 17.5941, 17.8849
YIQ	117.0720, 8.6650, 2.6570

Conversions

Conversions Part 2

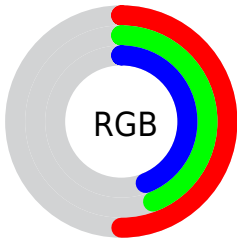
Format	Color
RYB	127, 113, 112
Decimal	8352112
CIELab	49.00, 5.26, 2.54
CIElCh	49, 5.842, 25.744
Yxy	17.5941, 0.3326, 0.3310
Android (android.graphics.Color)	4286542192 (0xFF7F7170)
YUV	117.0720, -2.5005, 8.7069
Hunter-Lab	41.9453, 1.8452, 4.0812

Details

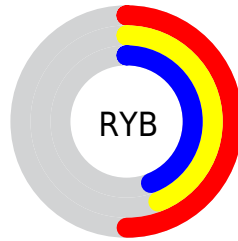
The CIELCh color $49, 5.842, 25.744$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 5.427, 205.094$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 5.808, 25.224$, and $29, 6.033, 26.447$ is the 20% darker color. If you saturate the color by 10%, you get $45, 11.229, 26.342$, and if you desaturate by 10%, it is $53, 0.852, 24.956$.

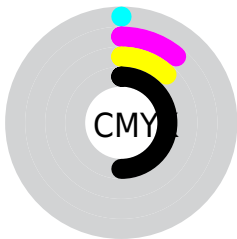
Distribution



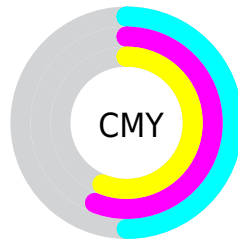
- Red (50%)
- Green (44%)
- Blue (44%)



- Red (50%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (11%)
- Yellow (12%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 5.842, 25.744 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, 5.842, 25.744 by changing the saturation by 10% instead.

■ 49, 5.842, 25.744 ■ 49, 5.842, 25.744

■ 100, 5.842, 25.744 ■ 39, 5.842, 25.744

■ 69, 5.842, 25.744 ■ 29, 5.842, 25.744

■ 79, 5.842, 25.744 ■ 19, 5.842, 25.744

■ 89, 5.842, 25.744 ■ 9, 5.842, 25.744

■ 99, 5.842, 25.744 ■ 0, 5.842, 25.744

■ 49, 5.842, 25.744 ■ 49, 5.842, 25.744

■ 45, 11.229, 26.342 ■ 53, 0.852, 24.956

■ 42, 17.031, 27.100 ■ 56, 3.767, 205.243

■ 39, 23.238, 28.106 ■ 60, 8.049, 204.984

35, 29.807, 29.430

64, 12.030,
204.831

33, 36.644, 31.142

68, 15.746,
204.736

30, 43.590, 33.280

28, 50.380, 35.777

71, 19.227,
204.681

27, 56.392, 38.157

75, 22.502,
204.657

26, 60.110, 39.666

79, 25.597,
204.656

83, 28.533,
204.672

Harmonies

Complementary

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



49, 5.842, 25.744



52, 5.427, 205.094

Rectangle

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



49, 5.842, 25.744



49, 5.842, 75.744



49, 5.842, 205.744



49, 5.842, 255.744

Sweetspot

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



49, 5.841, 25.758



66, 2.387, 25.304



49, 10.199, 326.906



34, 1.714, 25.357



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, 5.841, 25.758



62, 8.694, 25.895



51, 5.616, 80.805



25, 2.767, 25.616



26, 60.182, 39.675



0, 0.000, 0.000

Inverse Universe

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



52, 5.427, 205.094



66, 7.942, 205.019



50, 5.528, 263.853



26, 2.616, 205.185



45, 27.583, 207.375



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 5.842, 25.744 looks on a white background.

Color Contrast Check

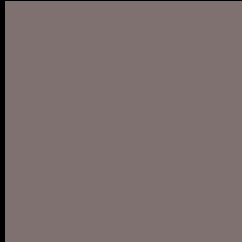
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.842, 25.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

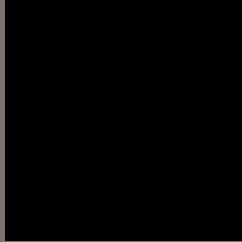
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 5.842, 25.744

Background



This preview shows how black text looks on a background with the CIELCh color 49, 5.842, 25.744.



This preview shows how white text looks on a background with the CIELCh color 49, 5.842, 25.744.

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, 5.842, 25.744

Protanopia

49, 1.683, 63.310

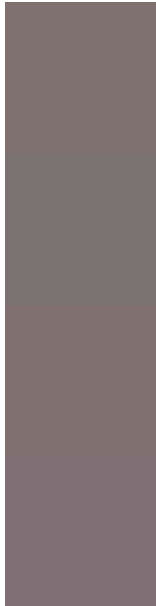
Deuteranopia

49, 6.686, 25.118



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color

49, 5.842, 25.744

Protanomaly

49, 3.099, 41.753

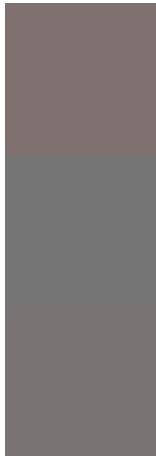
Deuteranomaly

49, 6.264, 25.407

Tritanomaly

49, 7.428, 352.060

Monochromacy



Original Color

49, 5.842, 25.744

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 2.116, 35.482

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 49, 5.842, 25.744 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(127, 113, 112)` looks like.

```
.text, #text, p{  
    color:rgb(127, 113, 112)  
}
```

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(127, 113, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 113, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 5.842, 25.744 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(127, 113, 112) }
```

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

```
.border{ border-color:rgb(127, 113, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 113, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 113, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 113, 112);  
box-shadow:4px 4px 4px 4px rgb(127, 113,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 5.842, 25.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 113, 112) }
```

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

```
.background{ background-color: rgb(127,  
113, 112) }
```

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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