

Converting Colors

CIELCh(49, 10.150, 21.151)

Have a look what the booklet for
CIELCh(49, 10.150, 21.151) contains.

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Color

CIELCh(49, 10.084, 20.571)

Conversions

Conversions Part 1

Format	Color
Hex	876F6F
RGB	135, 111, 111
RGB Percent	53%, 44%, 44%
CMY	0.4715, 0.5656, 0.5656
CMYK	0.00, 0.18, 0.18, 0.47
HSL	0°, 10%, 48%
HSV	0°, 18%, 53%
XYZ	18.4707, 17.5941, 17.3968
YIQ	118.1760, 14.3040, 5.0880

Conversions

Conversions Part 2

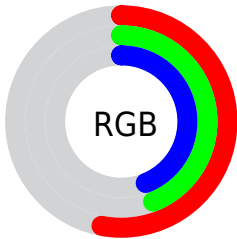
Format	Color
R_{YB}	135, 111, 111
Decimal	8875887
CIE Lab	49.00, 9.44, 3.54
CIE LCh	49, 10.084, 20.571
Yxy	17.5941, 0.3455, 0.3291
Android (android.graphics.Color)	4287065967 (0xFF876F6F)
YUV	118.1760, -3.5378, 14.7546
Hunter-Lab	41.9453, 5.1989, 4.7712

Details

The CIELCh color **49, 10.084, 20.571** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **54, 9.018, 198.547**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 10.128, 20.270**, and **29, 10.289, 21.197** is the 20% darker color. If you saturate the color by 10%, you get **45, 16.346, 21.545**, and if you desaturate by 10%, it is **53, 4.253, 19.784**.

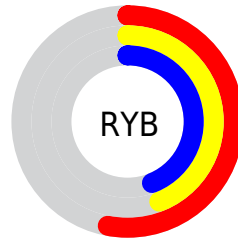
Distribution



Red (53%)

Green (44%)

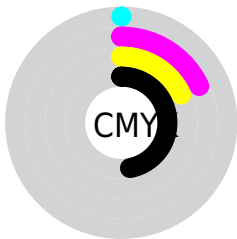
Blue (44%)



Red (53%)

Yellow (44%)

Blue (44%)

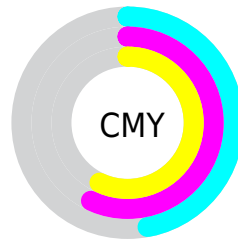


Cyan (0%)

Magenta (18%)

Yellow (18%)

Black (47%)



Cyan (47%)

Magenta (57%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 10.084, 20.571 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, 10.084, 20.571 by changing the saturation by 10% instead.

■ 49, 10.084, 20.571 ■ 49, 10.084, 20.571

■ 100, 10.084, 20.571 ■ 39, 10.084, 20.571

■ 69, 10.084, 20.571 ■ 29, 10.084, 20.571

■ 79, 10.084, 20.571 ■ 19, 10.084, 20.571

■ 89, 10.084, 20.571 ■ 9, 10.084, 20.571

■ 99, 10.084, 20.571 ■ 0, 10.084, 20.571

■ 49, 10.084, 20.571 ■ 49, 10.084, 20.571

■ 45, 16.346, 21.545 ■ 53, 4.253, 19.784

■ 41, 23.023, 22.782 ■ 57, 1.153, 199.660

38, 30.050, 24.383

61, 6.166, 198.909

35, 37.302, 26.447

65, 10.820,
198.513

32, 44.587, 29.062

70, 15.156,
198.205

30, 51.647, 32.225

28, 58.071, 35.686

74, 19.209,
197.956

27, 62.967, 38.312

78, 23.014,
197.753

27, 63.980, 38.780

82, 26.603,
197.585

86, 30.001,
197.444

Harmonies

Complementary

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



49, 10.084, 20.571



54, 9.018, 198.547

Rectangle

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



49, 10.084, 20.571



49, 10.084, 70.571



49, 10.084, 200.571



49, 10.084, 250.571

Sweetspot

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



49, 10.083, 20.579



69, 3.356, 19.562



50, 16.925, 325.371



36, 2.313, 19.616



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 10.083, 20.579



61, 14.996, 20.908



52, 8.582, 73.282



26, 3.050, 19.886



26, 62.118, 38.510



0, 0.707, 19.411

Inverse Universe

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



54, 9.018, 198.547



69, 13.081, 198.367



51, 8.209, 257.843



28, 2.886, 199.019



49, 30.406, 196.398



1, 0.707, 199.428

Previews

White Background



This preview shows how the CIELCh color 49, 10.084, 20.571 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, 10.084, 20.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

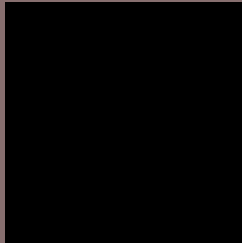
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 10.084, 20.571

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.084, 20.571.



This preview shows how white text looks on a background with the CIELCh color 49, 10.084, 20.571.

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, 10.084, 20.571

Protanopia

49, 1.683, 63.310

Deuteranopia

49, 7.347, 33.905



Tritanopia
49, 11.661, 357.267

Trichromacy



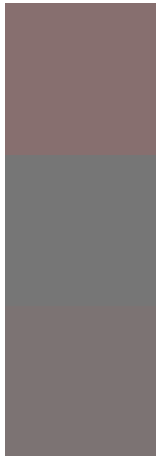
Original Color
49, 10.084, 20.571

Protanomaly
49, 4.577, 27.170

Deuteranomaly
49, 8.492, 28.205

Tritanomaly
49, 11.171, 5.661

Monochromacy



Original Color
49, 10.084, 20.571

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 3.688, 19.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.084, 20.571 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(135, 111, 111)` looks like.

```
.text, #text, p{  
    color:rgb(135, 111, 111)  
}
```

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(135, 111, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 111, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.084, 20.571 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(135, 111, 111) }
```

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

```
.border{ border-color:rgb(135, 111, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 111, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 111, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 111, 111);  
box-shadow:4px 4px 4px 4px rgb(135, 111,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.084, 20.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 111, 111) }
```

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

```
.background{ background-color: rgb(135,  
111, 111) }
```

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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