

Converting Colors

CIELCh(50, 10.735, 69.104)

Have a look what the booklet for
CIELCh(50, 10.735, 69.104) contains.

CIELCh(50, 10.716, 69.121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 10.716, 69.121)

Conversions

Conversions Part 1

Format	Color
Hex	847466
RGB	132, 116, 102
RGB Percent	52%, 45%, 40%
CMY	0.4816, 0.5443, 0.5993
CMYK	0.00, 0.12, 0.23, 0.48
HSL	28°, 13%, 46%
HSV	28°, 23%, 52%
XYZ	18.2209, 18.4187, 15.2132
YIQ	119.1880, 14.0300, -0.9620

Conversions

Conversions Part 2

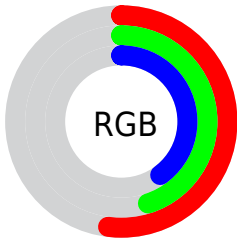
Format	Color
RYB	132, 128, 102
Decimal	8680550
CIELab	50.00, 3.82, 10.01
CIElCh	50, 10.716, 69.121
Yxy	18.4187, 0.3514, 0.3552
Android (android.graphics.Color)	4286870630 (0xFF847466)
YUV	119.1880, -8.4737, 11.2361
Hunter-Lab	42.9170, 0.6798, 9.0247

Details

The CIELCh color **50, 10.716, 69.121** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 9.986, 254.843**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 10.620, 69.907**, and **30, 10.779, 69.750** is the 20% darker color. If you saturate the color by 10%, you get **48, 15.840, 67.997**, and if you desaturate by 10%, it is **52, 5.845, 70.249**.

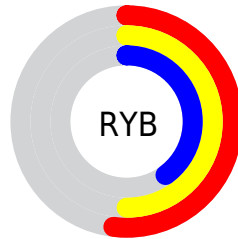
Distribution



Red (52%)

Green (45%)

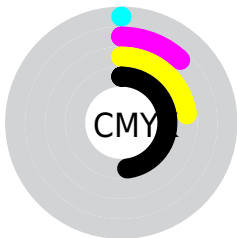
Blue (40%)



Red (52%)

Yellow (50%)

Blue (40%)

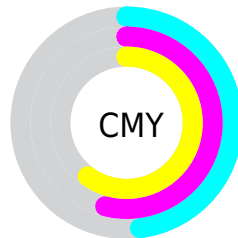


Cyan (0%)

Magenta (12%)

Yellow (23%)

Black (48%)



Cyan (48%)

Magenta (54%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 10.716, 69.121 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 50, 10.716, 69.121 by changing the saturation by 10% instead.

■ 50, 10.716, 69.121

■ 50, 10.716, 69.121

■ 100, 10.716,
69.121

■ 40, 10.716, 69.121

■ 70, 10.716, 69.121

■ 30, 10.716, 69.121

■ 80, 10.716, 69.121

■ 20, 10.716, 69.121

■ 90, 10.716, 69.121

■ 10, 10.716, 69.121

■ 0, 10.716, 69.121

■ 50, 10.716, 69.121

■ 50, 10.716, 69.121

■ 48, 15.840, 67.997

■ 52, 5.845, 70.249

■ 46, 21.224, 66.861

■ 55, 1.210, 71.190

■ 43, 26.855, 65.727

■ 57, 3.212, 252.633

41, 32.680, 64.580

59, 7.440, 253.669

39, 38.567, 63.372

62, 11.498,
254.713

38, 44.235, 61.989

64, 15.404,
255.729

36, 49.170, 60.200

35, 52.760, 59.077

66, 19.176,
256.710

69, 22.829,
257.653

71, 26.378,
258.558

Harmonies

Complementary

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



50, 10.716, 69.121



49, 9.986, 254.843

Rectangle

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



50, 10.716, 69.121



50, 10.716, 119.121



50, 10.716, 249.121



50, 10.716, 299.121

Sweetspot

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



50, 10.716, 69.131



68, 3.916, 70.839



47, 15.438, 343.760



36, 2.568, 70.792



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 10.716, 69.131



62, 15.916, 68.576



54, 16.555, 106.642



27, 2.578, 70.635



34, 52.121, 59.142



0, 0.606, 71.725

Inverse Universe

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



49, 9.986, 254.843



61, 14.578, 255.676



45, 17.360, 291.384



27, 2.515, 252.900



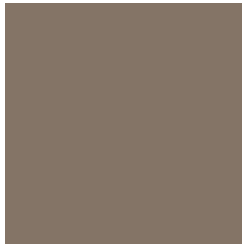
29, 39.859, 279.087



0, 0.606, 251.739

Previews

White Background



This preview shows how the CIELCh color 50, 10.716, 69.121 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 50, 10.716, 69.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

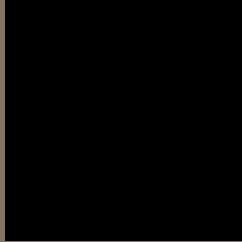
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 10.716, 69.121

Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.716, 69.121.



This preview shows how white text looks on a background with the CIELCh color 50, 10.716, 69.121.

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

50, 10.716, 69.121

Protanopia

50, 9.648, 93.614

Deuteranopia

50, 11.497, 57.358



Tritanopia
50, 10.375, 350.301

Trichromacy



Original Color
50, 10.716, 69.121

Protanomaly
50, 9.728, 82.990

Deuteranomaly
50, 11.148, 58.707

Tritanomaly
50, 8.318, 16.342

Monochromacy



Original Color
50, 10.716, 69.121

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.811, 69.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 10.716, 69.121 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(132, 116, 102)` looks like.

```
.text, #text, p{  
    color:rgb(132, 116, 102)  
}
```

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(132, 116, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 116, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 10.716, 69.121 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(132, 116, 102) }
```

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

```
.border{ border-color:rgb(132, 116, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 116, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 116, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 116, 102);  
box-shadow:4px 4px 4px 4px rgb(132, 116,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 10.716, 69.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 116, 102) }
```

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

```
.background{ background-color: rgb(132,  
116, 102) }
```

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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