

Converting Colors

CIELCh(51, 4.470, 42.998)

Have a look what the booklet for
CIELCh(51, 4.470, 42.998) contains.

CIELCh(51, 4.462, 42.694)	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(51, 4.462, 42.694)

Conversions

Conversions Part 1

Format	Color
Hex	817774
RGB	129, 119, 116
RGB Percent	51%, 47%, 45%
CMY	0.4924, 0.5316, 0.5434
CMYK	0.00, 0.08, 0.10, 0.49
HSL	14°, 5%, 48%
HSV	14°, 10%, 51%
XYZ	18.9453, 19.2686, 19.3745
YIQ	121.6480, 6.9230, 1.1870

Conversions

Conversions Part 2

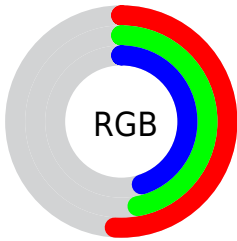
Format	Color
R_{YB}	129, 120, 116
Decimal	8484724
CIE Lab	51.00, 3.28, 3.03
CIE LCh	51, 4.462, 42.694
Yxy	19.2686, 0.3290, 0.3346
Android (android.graphics.Color)	4286674804 (0xFF817774)
YUV	121.6480, -2.7845, 6.4477
Hunter-Lab	43.8960, 0.2215, 4.5582

Details

The CIELCh color $51, 4.462, 42.694$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 4.209, 223.635$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 4.509, 40.837$, and $31, 4.514, 44.801$ is the 20% darker color. If you saturate the color by 10%, you get $48, 9.256, 42.516$, and if you desaturate by 10%, it is $54, 0.021, 24.001$.

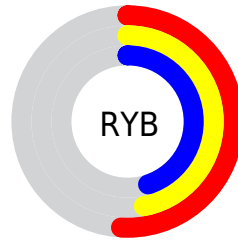
Distribution



Red (51%)

Green (47%)

Blue (45%)



Red (51%)

Yellow (47%)

Blue (45%)

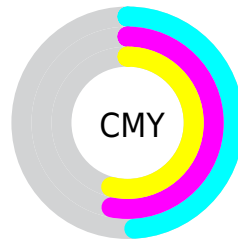


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (49%)



Cyan (49%)

Magenta (53%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 4.462, 42.694 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 51, 4.462, 42.694 by changing the saturation by 10% instead.

■ 51, 4.462, 42.694

■ 51, 4.462, 42.694

■ 100, 4.462, 42.694

■ 41, 4.462, 42.694

■ 71, 4.462, 42.694

■ 31, 4.462, 42.694

■ 81, 4.462, 42.694

■ 21, 4.462, 42.694

■ 91, 4.462, 42.694

■ 11, 4.462, 42.694

■ 1, 4.462, 42.694

■ 0, 4.462, 42.694

■ 51, 4.462, 42.694

■ 51, 4.462, 42.694

■ 48, 9.256, 42.516

■ 54, 0.021, 24.001

■ 45, 14.433, 42.390

■ 57, 4.105, 223.599

42, 20.017, 42.387

60, 7.946, 223.975

39, 26.012, 42.540

64, 11.536,
224.407

37, 32.393, 42.871

67, 14.905,
224.864

34, 39.077, 43.377

32, 45.867, 43.985

70, 18.080,
225.333

30, 52.324, 44.467

73, 21.085,
225.805

28, 57.889, 44.726

77, 23.941,
226.276

80, 26.664,
226.742

Harmonies

Complementary

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



51, 4.462, 42.694



52, 4.209, 223.635

Rectangle

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



51, 4.462, 42.694



51, 4.462, 92.694



51, 4.462, 222.694



51, 4.462, 272.694

Sweetspot

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



51, 4.462, 42.715



68, 1.606, 42.728



50, 7.927, 331.698



35, 1.215, 42.761



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 4.462, 42.715



64, 6.660, 42.670



53, 5.576, 93.728



25, 2.462, 42.734



28, 57.151, 44.689



0, 0.000, 0.000

Inverse Universe

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



52, 4.209, 223.635



66, 6.195, 223.732



50, 5.603, 276.173



26, 2.337, 223.598



38, 26.691, 240.730



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 4.462, 42.694 looks on a white background.

Color Contrast Check

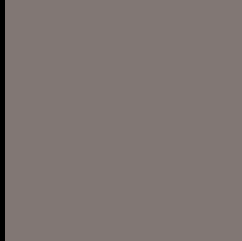
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 4.462, 42.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

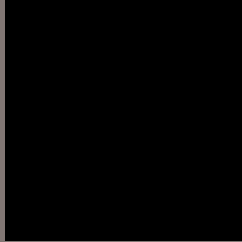
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 4.462, 42.694

Background



This preview shows how black text looks on a background with the CIELCh color 51, 4.462, 42.694.



This preview shows how white text looks on a background with the CIELCh color 51, 4.462, 42.694.

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


51, 4.462, 42.694

Protanopia

51, 2.826, 74.585

Deuteranopia

51, 7.436, 20.206



Tritanopia
51, 7.407, 335.222

Trichromacy



Original Color

51, 4.462, 42.694

Protanomaly

51, 3.342, 50.957

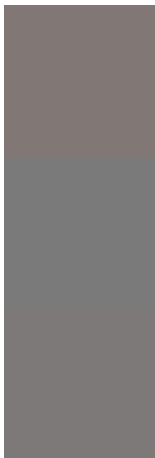
Deuteranomaly

51, 6.210, 25.384

Tritanomaly

51, 5.027, 352.389

Monochromacy



Original Color

51, 4.462, 42.694

Achromatopsia

51, 0.007, 296.813

Achromatomaly

51, 1.711, 39.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 4.462, 42.694 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(129, 119, 116)` looks like.

```
.text, #text, p{  
    color:rgb(129, 119, 116)  
}
```

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(129, 119, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 119, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 4.462, 42.694 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(129, 119, 116) }
```

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

```
.border{ border-color:rgb(129, 119, 116) }
```

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

Here you see how a box with a 4 pixel rgb(129, 119, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 119, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 119, 116);  
box-shadow:4px 4px 4px 4px rgb(129, 119,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 4.462, 42.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 119, 116) }
```

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

```
.background{ background-color: rgb(129,  
119, 116) }
```

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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