

Converting Colors

CIELCh(50, 9.711, 92.803)

Have a look what the booklet for
CIELCh(50, 9.711, 92.803) contains.

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Color

CIELCh(50, 9.648, 93.614)

Conversions

Conversions Part 1

Format	Color
Hex	7D7767
RGB	125, 119, 103
RGB Percent	49%, 47%, 40%
CMY	0.5112, 0.5347, 0.5974
CMYK	0.00, 0.05, 0.18, 0.51
HSL	44°, 10%, 45%
HSV	44°, 18%, 49%
XYZ	17.3943, 18.4187, 15.3825
YIQ	118.9700, 8.7120, -3.7040

Conversions

Conversions Part 2

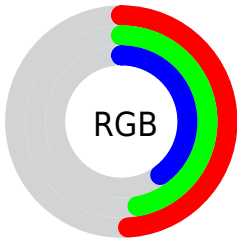
Format	Color
R_{YB}	111, 125, 103
Decimal	8222567
CIE Lab	50.00, -0.61, 9.63
CIE LCh	50, 9.648, 93.614
Yxy	18.4187, 0.3398, 0.3598
Android (android.graphics.Color)	4286412647 (0xFF7D7767)
YUV	118.9700, -7.8732, 5.2883
Hunter-Lab	42.9170, -2.7582, 8.7909

Details

The CIELCh color $50, 9.648, 93.614$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 9.724, 277.956$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 9.655, 92.670$, and $30, 9.824, 94.368$ is the 20% darker color. If you saturate the color by 10%, you get $49, 15.216, 92.415$, and if you desaturate by 10%, it is $51, 4.146, 94.779$.

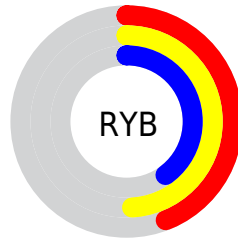
Distribution



Red (49%)

Green (47%)

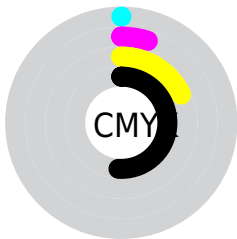
Blue (40%)



Red (44%)

Yellow (49%)

Blue (40%)

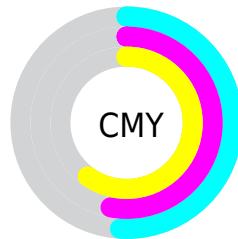


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (51%)



Cyan (51%)

Magenta (53%)




Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 9.648, 93.614 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, 9.648, 93.614 by changing the saturation by 10% instead.

 50, 9.648, 93.614	 50, 9.648, 93.614
 100, 9.648, 93.614	 40, 9.648, 93.614
 70, 9.648, 93.614	 30, 9.648, 93.614
 80, 9.648, 93.614	 20, 9.648, 93.614
 90, 9.648, 93.614	 10, 9.648, 93.614
	 0, 9.648, 93.614

 50, 9.648, 93.614	 50, 9.648, 93.614
 49, 15.216, 92.415	 51, 4.146, 94.779
 48, 20.823, 91.171	 53, 1.281, 276.060
 46, 26.420, 89.896	 54, 6.629, 277.062

45, 31.916, 88.586

55, 11.897,
278.099

44, 37.152, 87.232

57, 17.090,
279.093

43, 41.861, 85.805

42, 45.650, 84.243

58, 22.211,
280.041

41, 48.429, 82.541

59, 27.264,
280.943

41, 49.143, 82.169

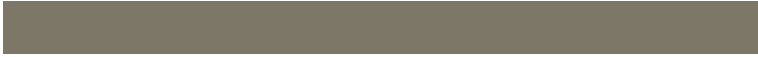
61, 32.253,
281.797

62, 37.181,
282.606

Harmonies

Complementary

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



50, 9.648, 93.614



46, 9.724, 277.956

Rectangle

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



50, 9.648, 93.614



50, 9.648, 143.614



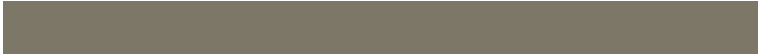
50, 9.648, 273.614



50, 9.648, 323.614

Sweetspot

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



50, 9.649, 93.623



66, 3.374, 95.052



46, 9.879, 358.791



34, 2.292, 94.992



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 9.649, 93.623



64, 14.358, 93.159



51, 12.864, 117.518



25, 3.015, 94.621



41, 49.226, 82.164



79, 82.570, 80.854

Inverse Universe

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



46, 9.724, 277.956



58, 14.492, 278.533



45, 13.328, 299.868



24, 3.033, 276.798



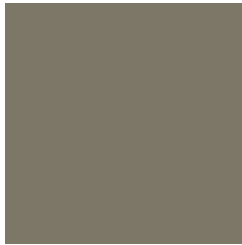
18, 61.015, 298.535



40, 108.253, 300.252

Previews

White Background



This preview shows how the CIELCh color 50, 9.648, 93.614 looks on a white background.

Color Contrast Check

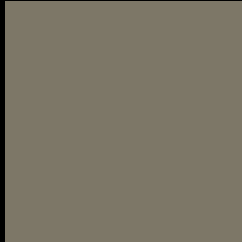
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 9.648, 93.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

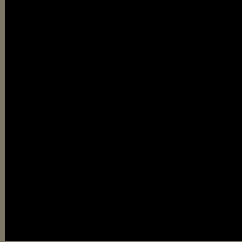
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 9.648, 93.614

Background



This preview shows how black text looks on a background with the CIELCh color 50, 9.648, 93.614.



This preview shows how white text looks on a background with the CIELCh color 50, 9.648, 93.614.

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, 9.648, 93.614

Protanopia

50, 9.648, 93.614

Deuteranopia

50, 11.497, 57.358



Tritanopia
50, 7.151, 332.891

Trichromacy



Original Color
50, 9.648, 93.614

Protanomaly
50, 9.648, 93.614

Deuteranomaly
50, 10.261, 67.180

Tritanomaly
50, 4.091, 19.780

Monochromacy



Original Color
50, 9.648, 93.614

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.583, 96.457

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 50, 9.648, 93.614 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(125, 119, 103)` looks like.

```
.text, #text, p{  
    color:rgb(125, 119, 103)  
}
```

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(125, 119, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 119, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 9.648, 93.614 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(125, 119, 103) }
```

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

```
.border{ border-color:rgb(125, 119, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 119, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 119, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 119, 103);  
box-shadow:4px 4px 4px 4px rgb(125, 119,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 9.648, 93.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 119, 103) }
```

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

```
.background{ background-color: rgb(125,  
119, 103) }
```

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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