

Converting Colors

CIELCh(50, 5.247, 45.608)

Have a look what the booklet for
CIELCh(50, 5.247, 45.608) contains.

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Color

CIELCh(50, 5.117, 46.818)

Conversions

Conversions Part 1

Format	Color
Hex	807571
RGB	128, 117, 113
RGB Percent	50%, 46%, 44%
CMY	0.4991, 0.5422, 0.5579
CMYK	0.00, 0.09, 0.12, 0.50
HSL	16°, 6%, 47%
HSV	16°, 12%, 50%
XYZ	18.1608, 18.4187, 18.1460
YIQ	119.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

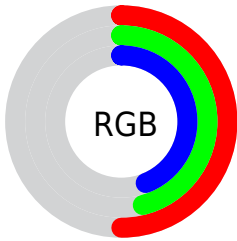
Format	Color
R_{YB}	128, 118, 113
Decimal	8418673
CIE _{Lab}	50.00, 3.50, 3.73
CIE _{LCh}	50, 5.117, 46.818
Yxy	18.4187, 0.3319, 0.3366
Android (android.graphics.Color)	4286608753 (0xFF807571)
YUV	119.8330, -3.3687, 7.1625
Hunter-Lab	42.9170, 0.4297, 4.9731

Details

The CIELCh color $50, 5.117, 46.818$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 4.793, 228.243$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 5.101, 44.950$, and $30, 5.268, 48.830$ is the 20% darker color. If you saturate the color by 10%, you get $47, 9.844, 46.466$, and if you desaturate by 10%, it is $53, 0.728, 46.869$.

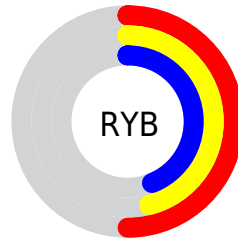
Distribution



Red (50%)

Green (46%)

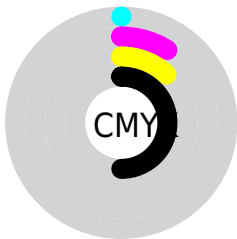
Blue (44%)



Red (50%)

Yellow (46%)

Blue (44%)

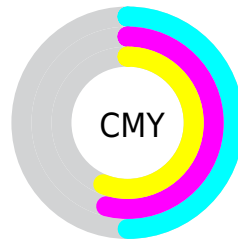


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (50%)



Cyan (50%)












Magenta (54%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 5.117, 46.818 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, 5.117, 46.818 by changing the saturation by 10% instead.

 50, 5.117, 46.818	 50, 5.117, 46.818
 100, 5.117, 46.818	 40, 5.117, 46.818
 70, 5.117, 46.818	 30, 5.117, 46.818
 80, 5.117, 46.818	 20, 5.117, 46.818
 90, 5.117, 46.818	 10, 5.117, 46.818
	 0, 5.117, 46.818

 50, 5.117, 46.818	 50, 5.117, 46.818
 47, 9.844, 46.466	 53, 0.728, 46.869
 44, 14.939, 46.161	 56, 3.356, 228.017
 41, 20.423, 45.962	 59, 7.168, 228.511

39, 26.302, 45.894

62, 10.739,
229.068

36, 32.548, 45.969

65, 14.099,
229.644

34, 39.070, 46.168

32, 45.650, 46.399

68, 17.271,
230.226

30, 51.807, 46.401

71, 20.281,
230.806

29, 56.370, 46.358

74, 23.146,
231.379

77, 25.885,
231.941

Harmonies

Complementary

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



50, 5.117, 46.818



51, 4.793, 228.243

Rectangle

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



50, 5.117, 46.818



50, 5.117, 96.818



50, 5.117, 226.818



50, 5.117, 276.818

Sweetspot

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



50, 5.117, 46.837



67, 2.096, 47.051



49, 8.847, 333.694



35, 1.505, 47.049



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 5.117, 46.837



63, 7.626, 46.738



52, 6.791, 96.995



25, 2.429, 46.934



29, 56.280, 46.355



0, 0.000, 0.000

Inverse Universe

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



51, 4.793, 228.243



65, 7.032, 228.415



49, 6.859, 279.746



26, 2.312, 228.088



37, 27.642, 248.022



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 5.117, 46.818 looks on a white background.

Color Contrast Check

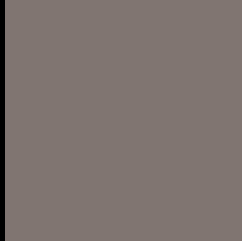
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.117, 46.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

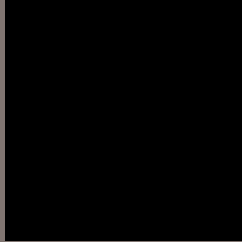
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 5.117, 46.818

Background



This preview shows how black text looks on a background with the CIELCh color 50, 5.117, 46.818.



This preview shows how white text looks on a background with the CIELCh color 50, 5.117, 46.818.

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, 5.117, 46.818

Protanopia

50, 2.839, 74.571

Deuteranopia

50, 7.600, 28.982



Tritanopia
50, 7.727, 337.416

Trichromacy



Original Color
50, 5.117, 46.818

Protanomaly
50, 3.382, 63.020

Deuteranomaly
50, 6.484, 35.607

Tritanomaly
50, 5.788, 356.292

Monochromacy



Original Color
50, 5.117, 46.818

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.990, 55.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 5.117, 46.818 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(128, 117, 113)` looks like.

```
.text, #text, p{  
    color:rgb(128, 117, 113)  
}
```

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(128, 117, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 117, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 5.117, 46.818 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(128, 117, 113) }
```

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

```
.border{ border-color:rgb(128, 117, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 117, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 117, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 117, 113);  
box-shadow:4px 4px 4px 4px rgb(128, 117,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 5.117, 46.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 117, 113) }
```

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

```
.background{ background-color: rgb(128,  
117, 113) }
```

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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