

Converting Colors

CIELCh(50, 4.663, 18.731)

Have a look what the booklet for
CIELCh(50, 4.663, 18.731) contains.

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Color

CIELCh(50, 4.952, 13.157)

Conversions

Conversions Part 1

Format	Color
Hex	807475
RGB	128, 116, 117
RGB Percent	50%, 45%, 46%
CMY	0.4974, 0.5444, 0.5405
CMYK	0.00, 0.09, 0.09, 0.50
HSL	355°, 5%, 48%
HSV	355°, 9%, 50%
XYZ	18.4118, 18.4187, 19.4647
YIQ	119.7020, 6.8310, 2.8550

Conversions

Conversions Part 2

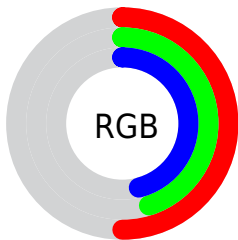
Format	Color
R_YB	128, 116, 117
Decimal	8418421
CIE Lab	50.00, 4.82, 1.13
CIE LCh	50, 4.952, 13.157
Yxy	18.4187, 0.3271, 0.3272
Android (android.graphics.Color)	4286608501 (0xFF807475)
YUV	119.7020, -1.3321, 7.2773
Hunter-Lab	42.9170, 1.4734, 3.1513

Details

The CIELCh color $50, 4.952, 13.157$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 4.719, 191.940$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 4.998, 13.490$, and $30, 5.006, 12.904$ is the 20% darker color. If you saturate the color by 10%, you get $46, 10.575, 14.141$, and if you desaturate by 10%, it is $54, 0.324, 193.683$.

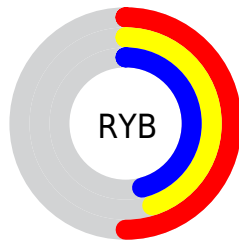
Distribution



Red (50%)

Green (45%)

Blue (46%)



Red (50%)

Yellow (45%)

Blue (46%)

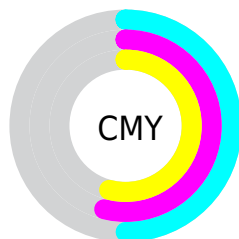


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (50%)



Cyan (50%)












Magenta (54%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.952, 13.157 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, 4.952, 13.157 by changing the saturation by 10% instead.

 50, 4.952, 13.157	 50, 4.952, 13.157
 100, 4.952, 13.157	 40, 4.952, 13.157
 70, 4.952, 13.157	 30, 4.952, 13.157
 80, 4.952, 13.157	 20, 4.952, 13.157
 90, 4.952, 13.157	 10, 4.952, 13.157
	 0, 4.952, 13.157

 50, 4.952, 13.157	 50, 4.952, 13.157
 46, 10.575, 14.141	 54, 0.324, 193.683
 42, 16.541, 15.295	 58, 5.260, 191.913
 39, 22.805, 16.721	 62, 9.881, 191.331

36, 29.278, 18.515

66, 14.215,
190.848

33, 35.816, 20.784

70, 18.291,
190.432

30, 42.229, 23.641

28, 48.309, 27.154

74, 22.137,
190.067

27, 53.852, 31.229

78, 25.780,
189.744

26, 58.694, 34.875

82, 29.243,
189.455

86, 32.547,
189.195

Harmonies

Complementary

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



50, 4.952, 13.157



53, 4.719, 191.940

Rectangle

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



50, 4.952, 13.157



50, 4.952, 63.157



50, 4.952, 193.157



50, 4.952, 243.157

Sweetspot

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



50, 4.951, 13.171



67, 1.918, 12.506



50, 8.298, 322.604



35, 1.469, 12.609



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, 4.951, 13.171



63, 7.222, 13.346



51, 4.072, 64.869



25, 2.965, 13.146



25, 58.713, 34.970



0, 0.000, 0.000

Inverse Universe

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



50, 4.951, 13.171



63, 7.222, 13.346



51, 3.941, 247.011



25, 2.965, 13.146



25, 58.713, 34.970



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 4.952, 13.157 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, 4.952, 13.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

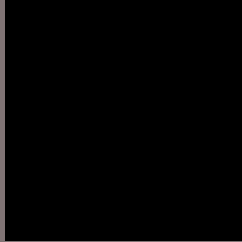
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 4.952, 13.157

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.952, 13.157.



This preview shows how white text looks on a background with the CIELCh color 50, 4.952, 13.157.

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, 4.952, 13.157

Protanopia

50, 1.213, 19.233

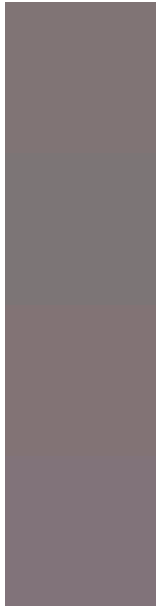
Deuteranopia

50, 6.682, 10.117



Tritanopia
50, 7.727, 337.416

Trichromacy



Original Color
50, 4.952, 13.157

Protanomaly
50, 2.908, 8.043

Deuteranomaly
50, 6.271, 9.393

Tritanomaly
50, 7.001, 344.485

Monochromacy



Original Color
50, 4.952, 13.157

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.617, 19.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 4.952, 13.157 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, 116, 117)` looks like.

```
.text, #text, p{  
    color:rgb(128, 116, 117)  
}
```

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, 116, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 116, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.952, 13.157 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, 116, 117) }
```

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

```
.border{ border-color:rgb(128, 116, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 116, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 116, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 116, 117);  
box-shadow:4px 4px 4px 4px rgb(128, 116,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.952, 13.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 116, 117) }
```

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

```
.background{ background-color: rgb(128,  
116, 117) }
```

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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