

Converting Colors

CIELCh(50, 5.201, 30.689)

Have a look what the booklet for
CIELCh(50, 5.201, 30.689) contains.

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Color

CIELCh(50, 5.394, 26.128)

Conversions

Conversions Part 1

Format	Color
Hex	817473
RGB	129, 116, 115
RGB Percent	51%, 45%, 45%
CMY	0.4938, 0.5448, 0.5487
CMYK	0.00, 0.10, 0.11, 0.49
HSL	4°, 6%, 48%
HSV	4°, 11%, 51%
XYZ	18.4157, 18.4187, 18.8249
YIQ	119.7730, 8.0690, 2.4450

Conversions

Conversions Part 2

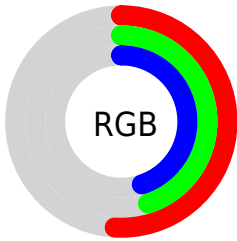
Format	Color
R_{YB}	129, 116, 115
Decimal	8483955
CIE _{Lab}	50.00, 4.84, 2.38
CIE _{LCh}	50, 5.394, 26.128
Yxy	18.4187, 0.3309, 0.3309
Android (android.graphics.Color)	4286674035 (0xFF817473)
YUV	119.7730, -2.3531, 8.0921
Hunter-Lab	42.9170, 1.4899, 4.0352

Details

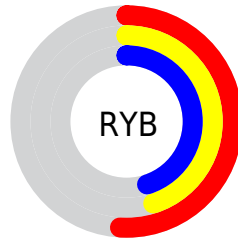
The CIELCh color $50, 5.394, 26.128$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 5.041, 205.598$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 5.399, 25.568$, and $30, 5.517, 26.858$ is the 20% darker color. If you saturate the color by 10%, you get $46, 10.781, 26.697$, and if you desaturate by 10%, it is $54, 0.406, 24.852$.

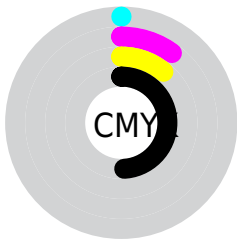
Distribution



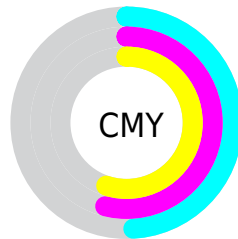
- Red (51%)
- Green (45%)
- Blue (45%)



- Red (51%)
- Yellow (45%)
- Blue (45%)



- Cyan (0%)
- Magenta (10%)
- Yellow (11%)
- Black (49%)



- Cyan (49%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 5.394, 26.128 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, 5.394, 26.128 by changing the saturation by 10% instead.

 50, 5.394, 26.128  50, 5.394, 26.128

 100, 5.394, 26.128  40, 5.394, 26.128

 70, 5.394, 26.128  30, 5.394, 26.128

 80, 5.394, 26.128  20, 5.394, 26.128

 90, 5.394, 26.128  10, 5.394, 26.128

 0, 5.394, 26.128

 50, 5.394, 26.128  50, 5.394, 26.128

 46, 10.781, 26.697  54, 0.406, 24.852

 43, 16.588, 27.415  57, 4.211, 205.679

 40, 22.809, 28.371  61, 8.492, 205.451

36, 29.404, 29.635

65, 12.473,
205.319

33, 36.288, 31.276

69, 16.189,
205.242

31, 43.309, 33.334

29, 50.211, 35.755

73, 19.671,
205.204

27, 56.464, 38.183

76, 22.949,
205.195

26, 60.749, 39.843

80, 26.048,
205.208

84, 28.988,
205.237

Harmonies

Complementary

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



50, 5.394, 26.128



53, 5.041, 205.598

Rectangle

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



50, 5.394, 26.128



50, 5.394, 76.128



50, 5.394, 206.128



50, 5.394, 256.128

Sweetspot

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



50, 5.393, 26.144



68, 1.797, 25.646



50, 9.487, 326.854



35, 1.360, 25.724



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, 5.393, 26.144



63, 8.107, 26.270



52, 5.218, 80.916



25, 2.755, 26.054



26, 60.119, 39.769



0, 0.000, 0.000

Inverse Universe

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



53, 5.041, 205.598



67, 7.455, 205.527



51, 5.145, 263.725



26, 2.604, 205.656



45, 27.448, 208.237



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 5.394, 26.128 looks on a white background.

Color Contrast Check

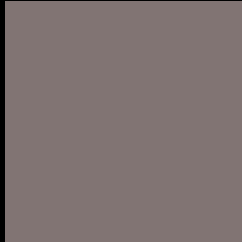
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.394, 26.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

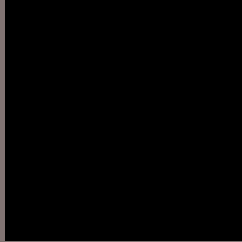
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 5.394, 26.128

Background



This preview shows how black text looks on a background with the CIELCh color 50, 5.394, 26.128.



This preview shows how white text looks on a background with the CIELCh color 50, 5.394, 26.128.

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, 5.394, 26.128

Protanopia

50, 1.993, 55.156

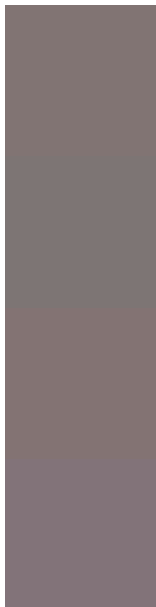
Deuteranopia

50, 7.039, 20.168



Tritanopia
50, 8.027, 339.443

Trichromacy



Original Color
50, 5.394, 26.128

Protanomaly
50, 3.321, 29.757

Deuteranomaly
50, 6.617, 20.115

Tritanomaly
50, 7.036, 350.387

Monochromacy



Original Color
50, 5.394, 26.128

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.717, 39.176

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 50, 5.394, 26.128 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, 116, 115)` looks like.

```
.text, #text, p{  
    color:rgb(129, 116, 115)  
}
```

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, 116, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 116, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 5.394, 26.128 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, 116, 115) }
```

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

```
.border{ border-color:rgb(129, 116, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 116, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 116, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 116, 115);  
box-shadow:4px 4px 4px 4px rgb(129, 116,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 5.394, 26.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 116, 115) }
```

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

```
.background{ background-color: rgb(129,  
116, 115) }
```

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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