

Converting Colors

CIELCh(50, 5.376, 87.463)

Have a look what the booklet for
CIELCh(50, 5.376, 87.463) contains.

CIELCh(50, 5.096, 85.489)	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(50, 5.096, 85.489)

Conversions

Conversions Part 1

Format	Color
Hex	7B766E
RGB	123, 118, 110
RGB Percent	48%, 46%, 43%
CMY	0.5162, 0.5358, 0.5672
CMYK	0.00, 0.04, 0.11, 0.52
HSL	37°, 6%, 46%
HSV	37°, 11%, 48%
XYZ	17.5805, 18.4187, 17.4869
YIQ	118.5830, 5.5480, -1.4280

Conversions

Conversions Part 2

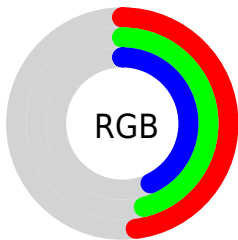
Format	Color
R_{YB}	118, 123, 110
Decimal	8091246
CIE Lab	50.00, 0.40, 5.08
CIE LCh	50, 5.096, 85.489
Yxy	18.4187, 0.3287, 0.3444
Android (android.graphics.Color)	4286281326 (0xFF7B766E)
YUV	118.5830, -4.2314, 3.8737
Hunter-Lab	42.9170, -1.9841, 5.8836

Details

The CIELCh color $50, 5.096, 85.489$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 5.062, 268.205$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 4.758, 85.831$, and $30, 5.424, 89.286$ is the 20% darker color. If you saturate the color by 10%, you get $48, 10.071, 84.276$, and if you desaturate by 10%, it is $52, 0.253, 85.983$.

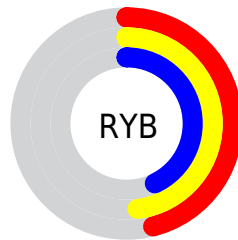
Distribution



Red (48%)

Green (46%)

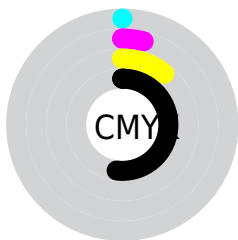
Blue (43%)



Red (46%)

Yellow (48%)

Blue (43%)

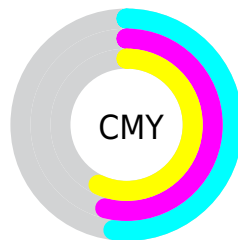


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (52%)



Cyan (52%)

Magenta (54%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 5.096, 85.489 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, 5.096, 85.489 by changing the saturation by 10% instead.

■ 50, 5.096, 85.489 ■ 50, 5.096, 85.489

■ 100, 5.096, 85.489 ■ 40, 5.096, 85.489

■ 70, 5.096, 85.489 ■ 30, 5.096, 85.489

■ 80, 5.096, 85.489 ■ 20, 5.096, 85.489

■ 90, 5.096, 85.489 ■ 10, 5.096, 85.489

■ 0, 5.096, 85.489

■ 50, 5.096, 85.489 ■ 50, 5.096, 85.489

■ 48, 10.071, 84.276 ■ 52, 0.253, 85.983

■ 47, 15.176, 82.997 ■ 53, 4.465, 267.964

■ 45, 20.400, 81.681 ■ 55, 9.067, 269.063

44, 25.707, 80.327

57, 13.563,
270.129

42, 31.023, 78.925

59, 17.960,
271.150

41, 36.200, 77.442

39, 40.969, 75.810

60, 22.270,
272.124

38, 44.902, 73.897

62, 26.500,
273.050

37, 48.226, 72.056

64, 30.656,
273.929

66, 34.747,
274.763

Harmonies

Complementary

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



50, 5.096, 85.489



48, 5.062, 268.205

Rectangle

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



50, 5.096, 85.489



50, 5.096, 135.489



50, 5.096, 265.489



50, 5.096, 315.489

Sweetspot

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



50, 5.097, 85.506



65, 1.777, 86.318



48, 6.150, 350.285



34, 1.360, 86.257



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, 5.097, 85.506



63, 7.831, 85.171



51, 7.555, 113.291



25, 2.699, 85.681



37, 48.668, 72.011



72, 82.084, 70.146

Inverse Universe

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



48, 5.062, 268.205



61, 7.755, 268.588



47, 7.732, 294.981



24, 2.686, 268.008



22, 51.099, 292.094



46, 90.987, 294.253

Previews

White Background



This preview shows how the CIELCh color 50, 5.096, 85.489 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 5.096, 85.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

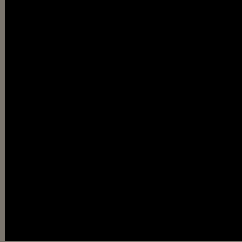
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 5.096, 85.489

Background



This preview shows how black text looks on a background with the CIELCh color 50, 5.096, 85.489.



This preview shows how white text looks on a background with the CIELCh color 50, 5.096, 85.489.

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

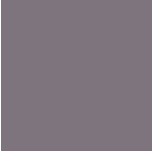
50, 5.096, 85.489

Protanopia

50, 5.096, 85.489

Deuteranopia

50, 7.914, 37.228



Tritanopia
50, 6.406, 324.791

Trichromacy



Original Color
50, 5.096, 85.489

Protanomaly
50, 5.096, 85.489

Deuteranomaly
50, 6.543, 46.301

Tritanomaly
50, 3.342, 348.069

Monochromacy



Original Color
50, 5.096, 85.489

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.917, 84.821

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 50, 5.096, 85.489 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(123, 118, 110)` looks like.

```
.text, #text, p{  
    color:rgb(123, 118, 110)  
}
```

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(123, 118, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 118, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 5.096, 85.489 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(123, 118, 110) }
```

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

```
.border{ border-color:rgb(123, 118, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 118, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 118, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 118, 110);  
box-shadow:4px 4px 4px 4px rgb(123, 118,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 5.096, 85.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 118, 110) }
```

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

```
.background{ background-color: rgb(123,  
118, 110) }
```

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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