

Converting Colors

CIELCh(50, 9.905, 82.573)

Have a look what the booklet for
CIELCh(50, 9.905, 82.573) contains.

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Color

CIELCh(50, 10.260, 84.282)

Conversions

Conversions Part 1

Format	Color
Hex	807666
RGB	128, 118, 102
RGB Percent	50%, 46%, 40%
CMY	0.4991, 0.5383, 0.6010
CMYK	0.00, 0.08, 0.20, 0.50
HSL	37°, 11%, 45%
HSV	37°, 20%, 50%
XYZ	17.6958, 18.4187, 15.1269
YIQ	119.1660, 11.0960, -2.8560

Conversions

Conversions Part 2

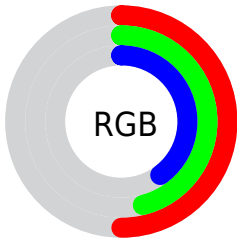
Format	Color
R_{YB}	118, 128, 102
Decimal	8418918
CIE Lab	50.00, 1.02, 10.21
CIE LCh	50, 10.260, 84.282
Yxy	18.4187, 0.3453, 0.3594
Android (android.graphics.Color)	4286608998 (0xFF807666)
YUV	119.1660, -8.4628, 9.7474
Hunter-Lab	42.9170, -1.5045, 9.1440

Details

The CIELCh color **50, 10.260, 84.282** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 10.089, 269.658**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 10.233, 84.090**, and **30, 10.504, 84.069** is the 20% darker color. If you saturate the color by 10%, you get **48, 15.512, 83.009**, and if you desaturate by 10%, it is **52, 5.145, 85.525**.

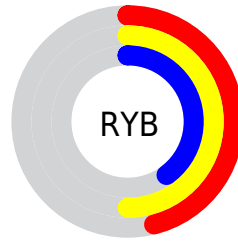
Distribution



Red (50%)

Green (46%)

Blue (40%)



Red (46%)

Yellow (50%)

Blue (40%)

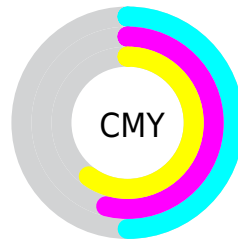


Cyan (0%)

Magenta (8%)

Yellow (20%)

Black (50%)



Cyan (50%)

Magenta (54%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 10.260, 84.282 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, 10.260, 84.282 by changing the saturation by 10% instead.

■ 50, 10.260, 84.282

■ 50, 10.260, 84.282

■ 100, 10.260,
84.282

■ 40, 10.260, 84.282

■ 70, 10.260, 84.282

■ 30, 10.260, 84.282

■ 80, 10.260, 84.282

■ 20, 10.260, 84.282

■ 90, 10.260, 84.282

■ 10, 10.260, 84.282

■ 0, 10.260, 84.282

■ 50, 10.260, 84.282

■ 50, 10.260, 84.282

■ 48, 15.512, 83.009

■ 52, 5.145, 85.525

■ 47, 20.885, 81.689

■ 53, 0.164, 85.553

■ 45, 26.345, 80.330

■ 55, 4.688, 267.989

44, 31.814, 78.922

57, 9.420, 269.091

42, 37.139, 77.434

59, 14.042,
270.160

41, 42.043, 75.795

61, 18.564,
271.183

39, 46.077, 73.871

38, 49.449, 71.934

62, 22.995,
272.159

64, 27.343,
273.086

66, 31.617,
273.967

Harmonies

Complementary

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



50, 10.260, 84.282



47, 10.089, 269.658

Rectangle

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



50, 10.260, 84.282



50, 10.260, 134.282



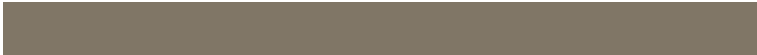
50, 10.260, 264.282



50, 10.260, 314.282

Sweetspot

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



50, 10.261, 84.291



67, 3.668, 86.013



46, 12.377, 351.278



35, 2.454, 85.955



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, 10.261, 84.291



63, 15.064, 83.756



53, 14.961, 112.516



26, 2.793, 85.673



38, 49.383, 71.940



0, 0.000, 0.000

Inverse Universe

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



47, 10.089, 269.658



58, 14.751, 270.356



44, 15.641, 295.930



25, 2.779, 268.017



23, 51.960, 292.179



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 10.260, 84.282 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, 10.260, 84.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

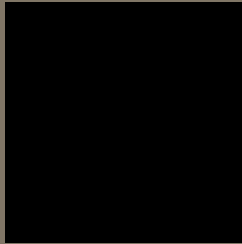
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 10.260, 84.282

Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.260, 84.282.



This preview shows how white text looks on a background with the CIELCh color 50, 10.260, 84.282.

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, 10.260, 84.282

Protanopia

50, 10.211, 94.361

Deuteranopia

50, 11.888, 59.434



Tritanopia
50, 8.335, 341.330

Trichromacy



Original Color
50, 10.260, 84.282

Protanomaly
50, 10.328, 92.052

Deuteranomaly
50, 11.007, 67.401

Tritanomaly
50, 5.766, 20.004

Monochromacy



Original Color
50, 10.260, 84.282

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.696, 90.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 10.260, 84.282 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, 118, 102)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 102)  
}
```

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, 118, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 10.260, 84.282 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, 118, 102) }
```

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

```
.border{ border-color:rgb(128, 118, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 118, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 102);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 10.260, 84.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 102) }
```

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

```
.background{ background-color: rgb(128,  
118, 102) }
```

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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