

# Converting Colors

CIELCh(50, 10.075, 138.274)

Have a look what the booklet for  
CIELCh(50, 10.075, 138.274)  
contains.

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# Color

**CIELCh(50, 10.075, 138.274)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6E7A6B
RGB	110, 122, 107
RGB Percent	43%, 48%, 42%
CMY	0.5672, 0.5201, 0.5790
CMYK	0.10, 0.00, 0.12, 0.52
HSL	108°, 7%, 45%
HSV	108°, 12%, 48%
XYZ	16.1546, 18.4187, 16.7142
YIQ	116.7020, -2.3370, -7.2090

# Conversions

## Conversions Part 2

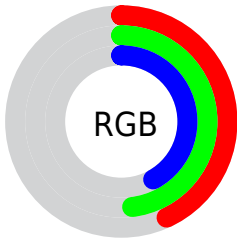
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 122, 119
Decimal	7240299
CIELab	50.00, -7.52, 6.71
CIElCh	50, 10.075, 138.274
Yxy	18.4187, 0.3150, 0.3591
Android (android.graphics.Color)	4285430379 (0xFF6E7A6B)
YUV	116.7020, -4.7831, -5.8777
Hunter-Lab	42.9170, -7.9146, 6.9511

# Details

The CIELCh color **50, 10.075, 138.274** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 10.140, 319.315**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 9.908, 136.912**, and **30, 9.703, 139.375** is the 20% darker color. If you saturate the color by 10%, you get **49, 18.347, 137.752**, and if you desaturate by 10%, it is **51, 1.847, 138.795**.

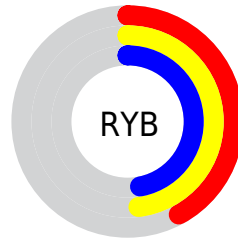
# Distribution



Red (43%)

Green (48%)

Blue (42%)



Red (42%)

Yellow (48%)

Blue (47%)

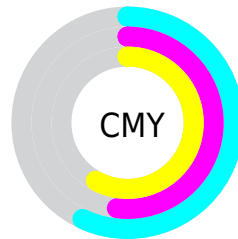


Cyan (10%)

Magenta (0%)

Yellow (12%)

Black (52%)



Cyan (57%)

Magenta (52%)


Yellow (58%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 10.075, 138.274 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, 10.075, 138.274 by changing the saturation by 10% instead.





 50, 10.075,  
138.274


 50, 10.075,  
138.274


 100, 10.075,  
138.274


 40, 10.075,  
138.274


 70, 10.075,  
138.274

 30, 10.075,  
138.274


 80, 10.075,  
138.274


 20, 10.075,  
138.274

 90, 10.075,  
138.274

 10, 10.075,  
138.274

 0, 10.075, 138.274

 50, 10.075,  
138.274

 50, 10.075,  
138.274

49, 18.347,  
137.752

51, 1.847, 138.795

48, 26.576,  
137.174

52, 6.282, 319.091

47, 34.648,  
136.547

54, 14.266,  
319.448

47, 42.411,  
135.895

55, 22.079,  
319.748

46, 49.661,  
135.263

56, 29.702,  
320.004

45, 56.135,  
134.725

58, 37.127,  
320.223

45, 61.515,  
134.386

59, 44.351,  
320.410

45, 65.490,  
134.358

61, 51.375,  
320.569

45, 67.989,

63, 58.203,  
320.705

134.300

# Harmonies

# Complementary

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



50, 10.075, 138.274



47, 10.140, 319.315

# Rectangle

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



50, 10.075, 138.274



50, 10.075, 188.274



50, 10.075, 318.274



50, 10.075, 8.274

# Sweetspot

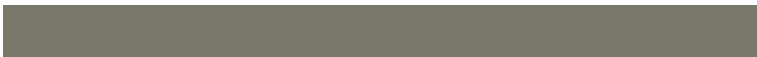
The Sweet Spot groups the original color and five complimentary colors.



50, 10.076, 138.275



65, 4.030, 138.681



50, 6.973, 98.017



33, 2.850, 138.647



83, 0.010, 296.813



34, 0.005, 296.813





# Same Dimension

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



50, 10.076, 138.275



63, 15.215, 138.119



50, 8.778, 152.822



25, 4.620, 138.433



45, 69.033, 134.322



87, 116.977, 134.829



# Inverse Universe

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



47, 10.140, 319.315



58, 15.328, 319.451



47, 8.824, 334.387



24, 4.644, 319.174



24, 69.364, 320.935



51, 116.941, 320.569



# Previews

## White Background



This preview shows how the CIE LCh color 50, 10.075, 138.274 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 CIELCh color 50, 10.075, 138.274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

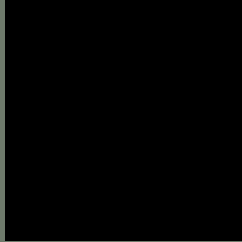
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 10.075, 138.274

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.075, 138.274.

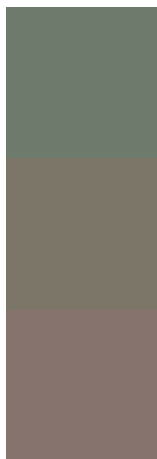


This preview shows how white text looks on a background with the CIELCh color 50, 10.075, 138.274.

# 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, 10.075, 138.274

### Protanopia

50, 7.984, 90.663

### Deuteranopia

50, 8.778, 43.546





**Tritanopia**  
50, 6.123, 272.632

# Trichromacy



**Original Color**  
50, 10.075, 138.274

**Protanomaly**  
50, 8.159, 112.038

**Deuteranomaly**  
50, 6.518, 82.643

**Tritanomaly**  
50, 2.814, 211.261

# Monochromacy



**Original Color**  
50, 10.075, 138.274

**Achromatopsia**  
49, 0.007, 296.813

**Achromatomaly**  
50, 3.878, 134.501

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 10.075, 138.274 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(110, 122, 107)` looks like.

```
.text, #text, p{  
    color:rgb(110, 122, 107)  
}
```

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(110, 122, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 122, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 10.075, 138.274 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(110, 122, 107) }
```

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

```
.border{ border-color:rgb(110, 122, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 122, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 122, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 122, 107);  
box-shadow:4px 4px 4px 4px rgb(110, 122,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 10.075, 138.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 122, 107) }
```

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

```
.background{ background-color: rgb(110,  
122, 107) }
```

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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