

Converting Colors

CIELCh(50, 13.059, 148.899)

Have a look what the booklet for
CIELCh(50, 13.059, 148.899)
contains.

CIELCh(50, 13.140, 149.110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 13.140, 149.110)

Conversions

Conversions Part 1

Format	Color
Hex	677C6B
RGB	103, 124, 107
RGB Percent	40%, 49%, 42%
CMY	0.5954, 0.5130, 0.5797
CMYK	0.17, 0.00, 0.14, 0.51
HSL	131°, 9%, 45%
HSV	131°, 17%, 49%
XYZ	15.5061, 18.4187, 16.6953
YIQ	115.7830, -7.0590, -9.7390

Conversions

Conversions Part 2

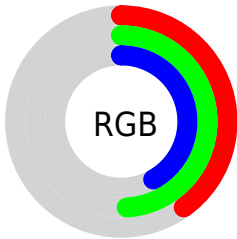
Format	Color
R_{YB}	103, 121, 124
Decimal	6782059
CIE Lab	50.00, -11.28, 6.75
CIE LCh	50, 13.140, 149.110
Yxy	18.4187, 0.3063, 0.3639
Android (android.graphics.Color)	4284972139 (0xFF677C6B)
YUV	115.7830, -4.3300, -11.2107
Hunter-Lab	42.9170, -10.6119, 6.9772

Details

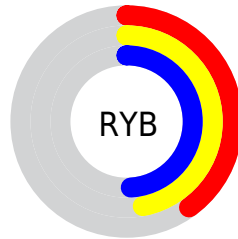
The CIELCh color $50, 13.140, 149.110$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 13.186, 331.189$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 13.629, 148.812$, and $30, 12.806, 149.261$ is the 20% darker color. If you saturate the color by 10%, you get $49, 20.938, 148.314$, and if you desaturate by 10%, it is $51, 5.344, 149.817$.

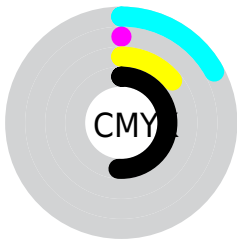
Distribution



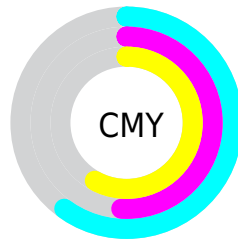
- Red (40%)
- Green (49%)
- Blue (42%)



- Red (40%)
- Yellow (47%)
- Blue (49%)



- Cyan (17%)
- Magenta (0%)
- Yellow (14%)
- Black (51%)





- Cyan (60%)
- Magenta (51%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 13.140, 149.110 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, 13.140, 149.110 by changing the saturation by 10% instead.


 50, 13.140,
149.110


 50, 13.140,
149.110


 100, 13.140,
149.110


 40, 13.140,
149.110


 70, 13.140,
149.110

 30, 13.140,
149.110


 80, 13.140,
149.110


 20, 13.140,
149.110

 90, 13.140,
149.110

 10, 13.140,
149.110

 0, 13.140, 149.110

 50, 13.140,
149.110

 50, 13.140,
149.110

49, 20.938,
148.314

51, 5.344, 149.817

48, 28.627,
147.401

52, 2.373, 330.279

54, 9.948, 330.865

47, 36.080,
146.352

55, 17.342,
331.327

46, 43.149,
145.156

57, 24.527,
331.729

46, 49.670,
143.815

59, 31.490,
332.085

46, 55.481,
142.347

60, 38.226,
332.401

45, 60.427,
140.799

62, 44.736,
332.684

45, 64.433,
139.312

64, 51.025,
332.939

45, 65.524,

138.945

Harmonies

Complementary

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



50, 13.140, 149.110



46, 13.186, 331.189

Rectangle

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



50, 13.140, 149.110



50, 13.140, 199.110



50, 13.140, 329.110



50, 13.140, 19.110

Sweetspot

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



50, 13.141, 149.110



65, 4.762, 149.944



51, 12.255, 116.215



34, 3.276, 149.902



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, 13.141, 149.110



63, 19.198, 148.839



50, 9.168, 173.325



25, 4.307, 149.669



45, 65.834, 138.934



87, 113.148, 138.060

Inverse Universe

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



46, 13.186, 331.189



58, 19.269, 331.412



46, 9.578, 356.388



24, 4.320, 330.699



28, 59.036, 337.209



57, 98.644, 337.798

Previews

White Background



This preview shows how the CIELCh color 50, 13.140, 149.110 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, 13.140, 149.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

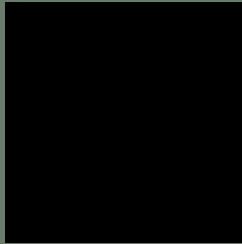
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

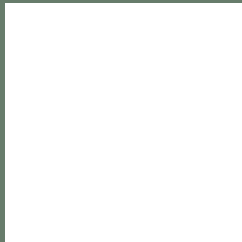
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 13.140, 149.110

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.140, 149.110.

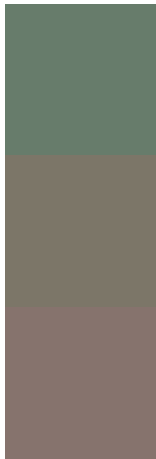


This preview shows how white text looks on a background with the CIELCh color 50, 13.140, 149.110.

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](#).

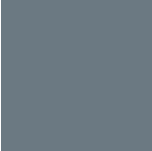
Dichromacy



Original Color
50, 13.140, 149.110

Protanopia
50, 8.541, 91.780

Deuteranopia
50, 8.778, 43.546



Tritanopia
50, 7.360, 244.885

Trichromacy



Original Color
50, 13.140, 149.110

Protanomaly
50, 8.903, 119.826

Deuteranomaly
50, 6.185, 89.646

Tritanomaly
50, 6.207, 198.791

Monochromacy



Original Color
50, 13.140, 149.110

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.803, 151.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.140, 149.110 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(103, 124, 107)` looks like.

```
.text, #text, p{  
    color:rgb(103, 124, 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(103, 124, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 124, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.140, 149.110 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(103, 124, 107) }
```

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

```
.border{ border-color:rgb(103, 124, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 124, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 124, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 124, 107);  
box-shadow:4px 4px 4px 4px rgb(103, 124,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.140, 149.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 124, 107) }
```

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

```
.background{ background-color: rgb(103,  
124, 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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