

Converting Colors

CIELCh(49, 13.388, 146.905)

Have a look what the booklet for
CIELCh(49, 13.388, 146.905)
contains.

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Color

CIELCh(49, 13.640, 147.536)

Conversions

Conversions Part 1

Format	Color
Hex	657A68
RGB	101, 122, 104
RGB Percent	40%, 48%, 41%
CMY	0.6050, 0.5227, 0.5932
CMYK	0.17, 0.00, 0.15, 0.52
HSL	129°, 9%, 44%
HSV	129°, 17%, 48%
XYZ	14.7454, 17.5941, 15.6423
YIQ	113.6690, -6.7380, -10.0500

Conversions

Conversions Part 2

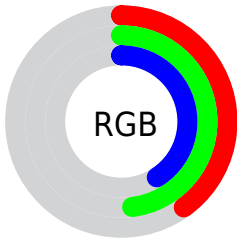
Format	Color
R_{YB}	101, 119, 122
Decimal	6650472
CIE Lab	49.00, -11.51, 7.32
CIE LCh	49, 13.640, 147.536
Yxy	17.5941, 0.3073, 0.3667
Android (android.graphics.Color)	4284840552 (0xFF657A68)
YUV	113.6690, -4.7668, -11.1107
Hunter-Lab	41.9453, -10.6545, 7.2512

Details

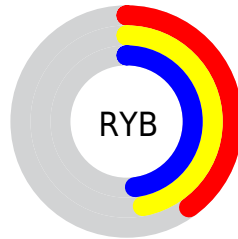
The CIELCh color $49, 13.640, 147.536$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 13.674, 329.586$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 13.432, 147.625$, and $29, 13.368, 147.469$ is the 20% darker color. If you saturate the color by 10%, you get $48, 21.580, 146.757$, and if you desaturate by 10%, it is $50, 5.701, 148.224$.

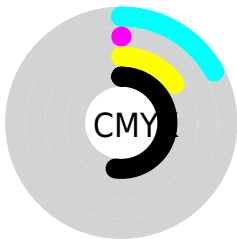
Distribution



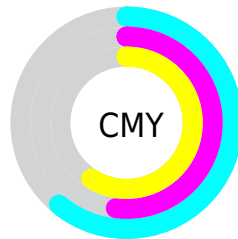
- Red (40%)
- Green (48%)
- Blue (41%)



- Red (40%)
- Yellow (47%)
- Blue (48%)



- Cyan (17%)
- Magenta (0%)
- Yellow (15%)
- Black (52%)





- Cyan (61%)
- Magenta (52%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.640, 147.536 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 49, 13.640, 147.536 by changing the saturation by 10% instead.


 49, 13.640,
147.536


 49, 13.640,
147.536


 100, 13.640,
147.536


 39, 13.640,
147.536

 69, 13.640,
147.536


 29, 13.640,
147.536

 79, 13.640,
147.536

 19, 13.640,
147.536

 89, 13.640,
147.536

 9, 13.640, 147.536

 99, 13.640,
147.536

 0, 13.640, 147.536

 49, 13.640,

 49, 13.640,

147.536

147.536

■ 48, 21.580,
146.757

■ 50, 5.701, 148.224

■ 47, 29.407,
145.861

■ 51, 2.156, 328.669

■ 53, 9.867, 329.241

■ 46, 36.984,
144.833

■ 54, 17.390,
329.684

■ 46, 44.150,
143.668

■ 56, 24.700,
330.065

■ 45, 50.726,
142.376

■ 58, 31.781,
330.399

■ 45, 56.524,
140.987

■ 59, 38.630,
330.694

■ 44, 61.356,
139.568

■ 61, 45.248,
330.955

■ 44, 65.126,
138.287

■ 63, 51.641,

■ 44, 66.012,
138.028

331.187

Harmonies

Complementary

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



49, 13.640, 147.536



45, 13.674, 329.586

Rectangle

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



49, 13.640, 147.536



49, 13.640, 197.536



49, 13.640, 327.536



49, 13.640, 17.536

Sweetspot

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



49, 13.641, 147.536



64, 4.862, 148.368



50, 12.233, 114.146



33, 3.301, 148.329



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 13.641, 147.536



62, 20.596, 147.217



49, 9.503, 170.004



25, 4.456, 148.102



45, 67.332, 137.987



87, 115.349, 137.257

Inverse Universe

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



45, 13.674, 329.586



56, 20.647, 329.839



45, 9.860, 353.076



24, 4.468, 329.099



28, 61.144, 334.627



58, 102.338, 335.028

Previews

White Background



This preview shows how the CIELCh color 49, 13.640, 147.536 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 49, 13.640, 147.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

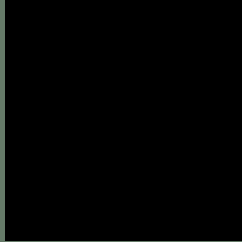
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 13.640, 147.536

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.640, 147.536.

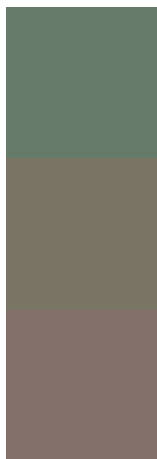


This preview shows how white text looks on a background with the CIELCh color 49, 13.640, 147.536.

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

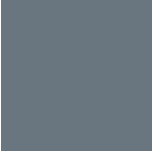
49, 13.640, 147.536

Protanopia

49, 9.129, 92.721

Deuteranopia

49, 8.827, 43.537



Tritanopia
49, 7.558, 250.310

Trichromacy



Original Color
49, 13.640, 147.536

Protanomaly
49, 9.502, 119.109

Deuteranomaly
49, 6.642, 94.649

Tritanomaly
49, 6.230, 198.776

Monochromacy



Original Color
49, 13.640, 147.536

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.558, 148.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.640, 147.536 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(101, 122, 104)` looks like.

```
.text, #text, p{  
    color:rgb(101, 122, 104)  
}
```

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(101, 122, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 122, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.640, 147.536 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(101, 122, 104) }
```

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

```
.border{ border-color:rgb(101, 122, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 122, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 122, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 122, 104);  
box-shadow:4px 4px 4px 4px rgb(101, 122,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.640, 147.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 122, 104) }
```

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

```
.background{ background-color: rgb(101,  
122, 104) }
```

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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