

Converting Colors

CIELCh(48, 4.739, 115.041)

Have a look what the booklet for
CIELCh(48, 4.739, 115.041) contains.

CIELCh(48, 4.714, 114.574)	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(48, 4.714, 114.574)

Conversions

Conversions Part 1

Format	Color
Hex	72736B
RGB	114, 115, 107
RGB Percent	45%, 45%, 42%
CMY	0.5543, 0.5503, 0.5817
CMYK	0.01, 0.00, 0.07, 0.55
HSL	68°, 4%, 43%
HSV	68°, 7%, 45%
XYZ	15.6247, 16.7945, 16.2367
YIQ	113.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

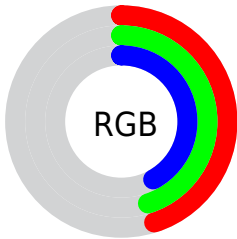
Format	Color
R_{YB}	107, 115, 108
Decimal	7500651
CIE Lab	48.00, -1.96, 4.29
CIE LCh	48, 4.714, 114.574
Yxy	16.7945, 0.3211, 0.3452
Android (android.graphics.Color)	4285690731 (0xFF72736B)
YUV	113.7890, -3.3470, 0.1850
Hunter-Lab	40.9810, -3.6606, 5.1960

Details

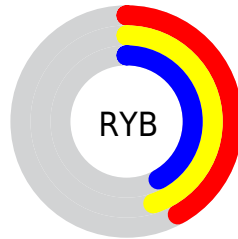
The CIELCh color `48, 4.714, 114.574` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `45, 4.793, 295.629`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 4.951, 114.121`, and `28, 4.533, 115.091` is the 20% darker color. If you saturate the color by 10%, you get `48, 11.458, 113.843`, and if you desaturate by 10%, it is `48, 2.056, 295.319`.

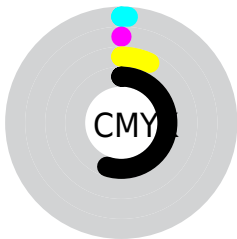
Distribution



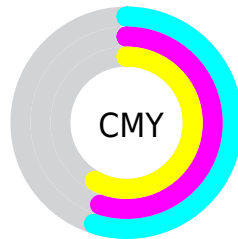
- Red (45%)
- Green (45%)
- Blue (42%)



- Red (42%)
- Yellow (45%)
- Blue (42%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (55%)















- Cyan (55%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.714, 114.574 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 48, 4.714, 114.574 by changing the saturation by 10% instead.

 48, 4.714, 114.574	 48, 4.714, 114.574
 100, 4.714, 114.574	 38, 4.714, 114.574
 68, 4.714, 114.574	 28, 4.714, 114.574
 78, 4.714, 114.574	 18, 4.714, 114.574
 88, 4.714, 114.574	 8, 4.714, 114.574
 98, 4.714, 114.574	 0, 4.714, 114.574

 48, 4.714, 114.574	 48, 4.714, 114.574
 48, 11.458, 113.843	 48, 2.056, 295.319
 47, 18.134,	 49, 8.829, 296.017

113.096

■ 49, 15.583,
296.690

■ 47, 24.685,
112.361

■ 50, 22.306,
297.331

■ 47, 31.026,
111.661

■ 51, 28.984,
297.937

■ 46, 37.029,
111.029

■ 51, 35.611,
298.508

■ 46, 42.509,
110.507

■ 52, 42.179,
299.044

■ 46, 47.217,
110.153

■ 53, 48.682,
299.546

■ 46, 50.864,
110.030

■ 53, 55.118,
300.014

■ 46, 53.475,
110.130

Harmonies

Complementary

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



48, 4.714, 114.574



45, 4.793, 295.629

Rectangle

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



48, 4.714, 114.574



48, 4.714, 164.574



48, 4.714, 294.574



48, 4.714, 344.574

Sweetspot

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



48, 4.715, 114.584



61, 1.661, 114.939



46, 2.980, 30.302



31, 0.938, 114.950



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



48, 4.715, 114.584



61, 6.663, 114.494



48, 5.141, 132.782



23, 3.734, 114.437



47, 56.014, 110.186



92, 95.770, 110.591

Inverse Universe

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



45, 4.793, 295.629



57, 6.786, 295.728



46, 5.184, 313.291



21, 3.809, 295.791



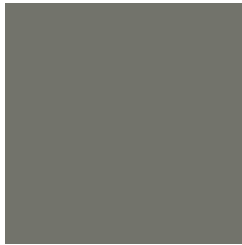
12, 75.779, 306.937



32, 129.976, 306.660

Previews

White Background



This preview shows how the CIELCh color 48, 4.714, 114.574 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 48, 4.714, 114.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

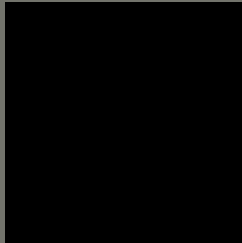
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

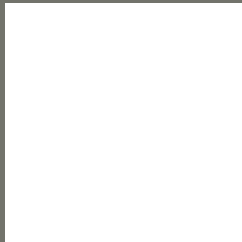
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.714, 114.574

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.714, 114.574.



This preview shows how white text looks on a background with the CIELCh color 48, 4.714, 114.574.

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


48, 4.714, 114.574

Protanopia

48, 4.603, 82.603

Deuteranopia

48, 7.245, 29.475



Tritanopia
48, 5.570, 307.426

Trichromacy



Original Color
48, 4.714, 114.574

Protanomaly
48, 4.763, 99.456

Deuteranomaly
48, 4.787, 49.077

Tritanomaly
48, 1.959, 314.712

Monochromacy



Original Color
48, 4.714, 114.574

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.811, 122.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 4.714, 114.574 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(114, 115, 107)` looks like.

```
.text, #text, p{  
    color:rgb(114, 115, 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(114, 115, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 115, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.714, 114.574 is called "border". The border property can be set on classes, ids or directly on the HTML element.

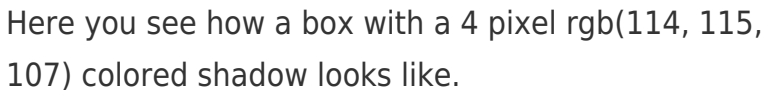
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 115, 107) }
```

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

```
.border{ border-color:rgb(114, 115, 107) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 115, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 115, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 115, 107); box-shadow:4px 4px 4px 4px rgb(114, 115, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.714, 114.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 115, 107) }
```

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

```
.background{ background-color: rgb(114,  
115, 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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