

Converting Colors

CIELCh(46, 4.859, 119.943)

Have a look what the booklet for
CIELCh(46, 4.859, 119.943) contains.

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Color

CIELCh(46, 4.812, 119.490)

Conversions

Conversions Part 1

Format	Color
Hex	6C6E66
RGB	108, 110, 102
RGB Percent	42%, 43%, 40%
CMY	0.5769, 0.5690, 0.6004
CMYK	0.02, 0.00, 0.07, 0.57
HSL	75°, 4%, 42%
HSV	75°, 7%, 43%
XYZ	14.1299, 15.2687, 14.7463
YIQ	108.4900, 1.3760, -2.9120

Conversions

Conversions Part 2

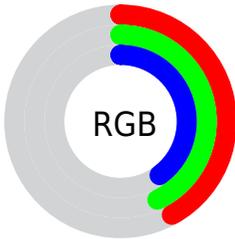
Format	Color
RYB	102, 110, 104
Decimal	7106150
CIELab	46.00, -2.37, 4.19
CIELCh	46, 4.812, 119.490
Yxy	15.2687, 0.3201, 0.3459
Android (android.graphics.Color)	4285296230 (0xFF6C6E66)
YUV	108.4900, -3.1996, -0.4297
Hunter-Lab	39.0751, -3.8344, 4.9776

Details

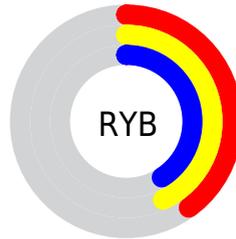
The CIELCh color **46, 4.812, 119.490** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 4.888, 300.352**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 5.108, 122.767**, and **26, 5.293, 119.226** is the 20% darker color. If you saturate the color by 10%, you get **45, 11.415, 118.900**, and if you desaturate by 10%, it is **47, 1.807, 300.062**.

Distribution



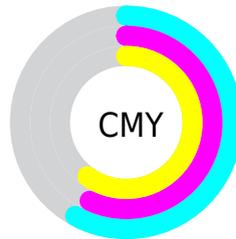
- Red (42%)
- Green (43%)
- Blue (40%)



- Red (40%)
- Yellow (43%)
- Blue (41%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (57%)



- Cyan (58%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 4.812, 119.490 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 46, 4.812, 119.490 by changing the saturation by 10% instead.

■ 46, 4.812, 119.490	■ 46, 4.812, 119.490
■ 100, 4.812, 119.490	■ 36, 4.812, 119.490
■ 66, 4.812, 119.490	■ 26, 4.812, 119.490
■ 76, 4.812, 119.490	■ 16, 4.812, 119.490
■ 86, 4.812, 119.490	■ 6, 4.812, 119.490
■ 96, 4.812, 119.490	■ 0, 4.812, 119.490

■ 46, 4.812, 119.490	■ 46, 4.812, 119.490
■ 45, 11.415, 118.900	■ 47, 1.807, 300.062
■ 45, 17.961,	■ 47, 8.417, 300.624

118.297

■ 48, 14.998,
301.150

■ 45, 24.393,
117.706

■ 48, 21.534,
301.644

■ 44, 30.631,
117.151

■ 49, 28.014,
302.106

■ 44, 36.553,
116.672

■ 50, 34.429,
302.536

■ 44, 41.988,
116.321

■ 51, 40.773,
302.935

■ 43, 46.700,
116.172

■ 51, 47.042,
303.305

■ 43, 50.421,
116.311

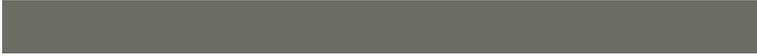
■ 52, 53.232,
303.647

■ 43, 53.237,
116.701

Harmonies

Complementary

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



46, 4.812, 119.490



44, 4.888, 300.352

Rectangle

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



46, 4.812, 119.490



46, 4.812, 169.490



46, 4.812, 299.490



46, 4.812, 349.490

Sweetspot

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



46, 4.813, 119.498



59, 1.634, 119.814



44, 2.772, 44.998



30, 0.922, 119.825



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

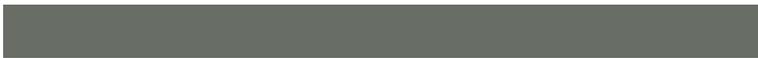
The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 4.813, 119.498



59, 7.377, 119.382



46, 5.378, 137.018



23, 3.782, 119.395



46, 57.499, 116.905



90, 98.571, 117.619

Inverse Universe

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



44, 4.888, 300.352



55, 7.515, 300.479



44, 5.410, 317.563



21, 3.852, 300.465



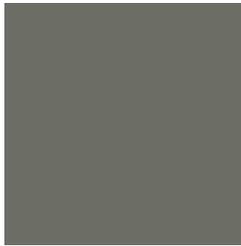
13, 74.575, 308.050



33, 128.167, 307.596

Previews

White Background



This preview shows how the CIELCh color 46, 4.812, 119.490 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 46, 4.812, 119.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

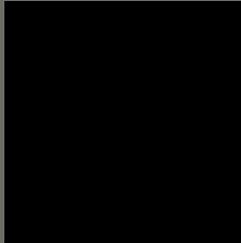
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

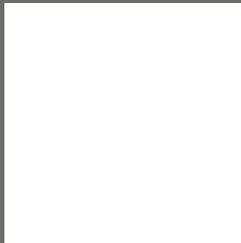
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 4.812, 119.490

Background



This preview shows how black text looks on a background with the CIELCh color 46, 4.812, 119.490.



This preview shows how white text looks on a background with the CIELCh color 46, 4.812, 119.490.

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

46, 4.812, 119.490

Protanopia

46, 4.642, 82.556

Deuteranopia

46, 7.313, 29.497



Tritanopia
46, 4.838, 300.322

Trichromacy



Original Color
46, 4.812, 119.490

Protanomaly
46, 4.802, 99.419

Deuteranomaly
46, 4.831, 49.057

Tritanomaly
46, 1.193, 290.377

Monochromacy



Original Color
46, 4.812, 119.490

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.826, 122.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 4.812, 119.490 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(108, 110, 102)` looks like.

```
.text, #text, p{  
    color:rgb(108, 110, 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(108, 110, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 110, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 4.812, 119.490 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(108, 110, 102) }
```

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

```
.border{ border-color:rgb(108, 110, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 110, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 110, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 110, 102);  
box-shadow:4px 4px 4px 4px rgb(108, 110,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 4.812, 119.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 110, 102) }
```

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

```
.background{ background-color: rgb(108,  
110, 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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