

Converting Colors

CIELCh(46, 9.828, 116.618)

Have a look what the booklet for
CIELCh(46, 9.828, 116.618) contains.

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Color

CIELCh(46, 10.115, 116.059)

Conversions

Conversions Part 1

Format	Color
Hex	6C6F5E
RGB	108, 111, 94
RGB Percent	42%, 44%, 37%
CMY	0.5777, 0.5660, 0.6326
CMYK	0.03, 0.00, 0.15, 0.57
HSL	71°, 8%, 40%
HSV	71°, 15%, 43%
XYZ	13.8005, 15.2687, 12.7355
YIQ	108.1650, 3.6690, -5.9230

Conversions

Conversions Part 2

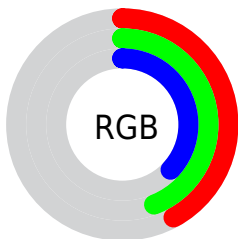
Format	Color
RYB	94, 111, 97
Decimal	7106398
CIELab	46.00, -4.44, 9.09
CIElCh	46, 10.115, 116.059
Yxy	15.2687, 0.3301, 0.3652
Android (android.graphics.Color)	4285296478 (0xFF6C6F5E)
YUV	108.1650, -6.9833, -0.1447
Hunter-Lab	39.0751, -5.3392, 8.0285

Details

The CIELCh color $46, 10.115, 116.059$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 10.439, 298.216$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 10.590, 117.640$, and $26, 9.775, 113.815$ is the 20% darker color. If you saturate the color by 10%, you get $46, 16.648, 115.382$, and if you desaturate by 10%, it is $46, 3.529, 116.738$.

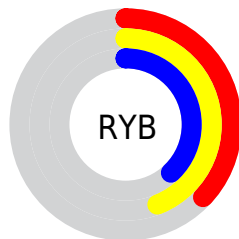
Distribution



Red (42%)

Green (44%)

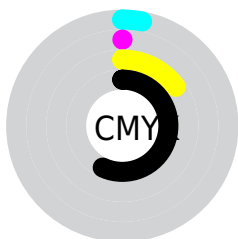
Blue (37%)



Red (37%)

Yellow (44%)

Blue (38%)

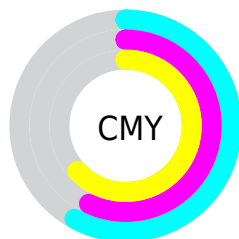


Cyan (3%)

Magenta (0%)

Yellow (15%)

Black (57%)



Cyan (58%)


Magenta (57%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.115, 116.059 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, 10.115, 116.059 by changing the saturation by 10% instead.


 46, 10.115,
116.059


 46, 10.115,
116.059


 100, 10.115,
116.059


 36, 10.115,
116.059

 66, 10.115,
116.059


 26, 10.115,
116.059

 76, 10.115,
116.059

 16, 10.115,
116.059


 86, 10.115,
116.059

 6, 10.115, 116.059

 96, 10.115,
116.059

 0, 10.115, 116.059

 46, 10.115,

 46, 10.115,

116.059

■ 46, 16.648,
115.382

■ 45, 23.073,
114.709

■ 45, 29.315,
114.067

■ 45, 35.260,
113.488

■ 44, 40.741,
113.018

■ 44, 45.533,
112.718

■ 44, 49.361,
112.661

■ 44, 52.131,
112.872

116.059

■ 46, 3.529, 116.738

■ 47, 3.077, 297.393

■ 47, 9.676, 298.025

■ 48, 16.252,
298.626

■ 49, 22.789,
299.195

■ 49, 29.277,
299.731

■ 50, 35.708,
300.233

■ 51, 42.076,
300.702

■ 51, 48.376,

■ 44, 53.390,
112.959

301.140

Harmonies

Complementary

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



46, 10.115, 116.059



41, 10.439, 298.216

Rectangle

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



46, 10.115, 116.059



46, 10.115, 166.059



46, 10.115, 296.059



46, 10.115, 346.059

Sweetspot

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



46, 10.116, 116.064



59, 4.063, 116.753



42, 6.342, 35.622



30, 2.753, 116.718



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, 10.116, 116.064



58, 14.605, 115.852



45, 11.177, 134.046



23, 3.751, 116.493



47, 56.526, 113.042



91, 96.739, 113.589

Inverse Universe

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



41, 10.439, 298.216



50, 15.169, 298.475



41, 11.319, 315.270



21, 3.824, 297.722



13, 75.347, 307.318



32, 129.363, 306.965

Previews

White Background



This preview shows how the CIELCh color 46, 10.115, 116.059 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 46, 10.115, 116.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

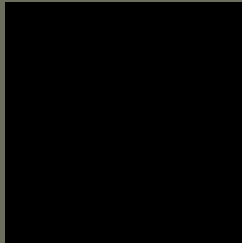
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

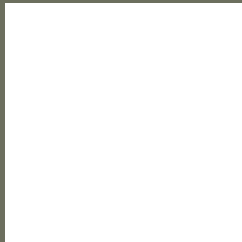
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.115, 116.059

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.115, 116.059.



This preview shows how white text looks on a background with the CIELCh color 46, 10.115, 116.059.

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, 10.115, 116.059

Protanopia

46, 9.803, 93.452

Deuteranopia

46, 10.237, 55.282



Tritanopia
46, 4.924, 304.916

Trichromacy



Original Color
46, 10.115, 116.059

Protanomaly
46, 10.066, 103.849

Deuteranomaly
46, 8.567, 75.387

Tritanomaly
46, 0.712, 74.880

Monochromacy



Original Color
46, 10.115, 116.059

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.581, 116.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.115, 116.059 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, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(108, 111, 94)  
}
```

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, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 111, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.115, 116.059 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, 111, 94) }
```

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

```
.border{ border-color:rgb(108, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(108, 111,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.115, 116.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 111, 94) }
```

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

```
.background{ background-color: rgb(108,  
111, 94) }
```

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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