

Converting Colors

CIELCh(46, 10.434, 114.935)

Have a look what the booklet for
CIELCh(46, 10.434, 114.935)
contains.

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Color

CIELCh(46, 10.698, 115.599)

Conversions

Conversions Part 1

Format	Color
Hex	6C6F5D
RGB	108, 111, 93
RGB Percent	42%, 44%, 36%
CMY	0.5775, 0.5657, 0.6363
CMYK	0.03, 0.00, 0.16, 0.57
HSL	70°, 9%, 40%
HSV	70°, 16%, 43%
XYZ	13.7723, 15.2687, 12.5176
YIQ	108.0510, 3.9900, -6.2340

Conversions

Conversions Part 2

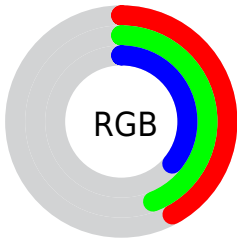
Format	Color
RYB	93, 111, 96
Decimal	7106397
CIELab	46.00, -4.62, 9.65
CIElCh	46, 10.698, 115.599
Yxy	15.2687, 0.3314, 0.3674
Android (android.graphics.Color)	4285296477 (0xFF6C6F5D)
YUV	108.0510, -7.4201, -0.0447
Hunter-Lab	39.0751, -5.4678, 8.3592

Details

The CIELCh color $46, 10.698, 115.599$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 11.063, 297.933$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 11.079, 115.166$, and $26, 10.474, 115.964$ is the 20% darker color. If you saturate the color by 10%, you get $46, 17.220, 114.911$, and if you desaturate by 10%, it is $46, 4.119, 116.291$.

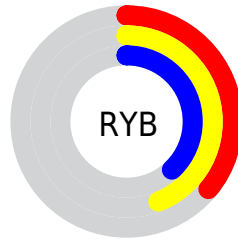
Distribution



Red (42%)

Green (44%)

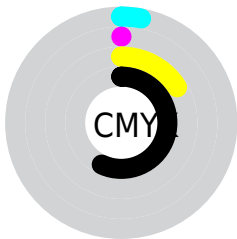
Blue (36%)



Red (36%)

Yellow (44%)

Blue (38%)

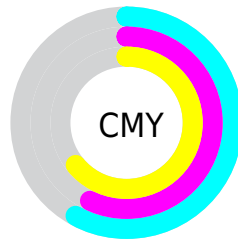


Cyan (3%)

Magenta (0%)

Yellow (16%)

Black (57%)



Cyan (58%)


Magenta (57%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.698, 115.599 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, 10.698, 115.599 by changing the saturation by 10% instead.


 46, 10.698,
115.599


 46, 10.698,
115.599


 100, 10.698,
115.599


 36, 10.698,
115.599

 66, 10.698,
115.599


 26, 10.698,
115.599

 76, 10.698,
115.599

 16, 10.698,
115.599


 86, 10.698,
115.599

 6, 10.698, 115.599

 96, 10.698,
115.599

 0, 10.698, 115.599

 46, 10.698,

 46, 10.698,

115.599

■ 46, 17.220,
114.911

■ 45, 23.627,
114.228

■ 45, 29.842,
113.578

■ 45, 35.746,
112.995

■ 44, 41.167,
112.524

■ 44, 45.874,
112.226

■ 44, 49.590,
112.173

■ 44, 52.295,
112.368

115.599

■ 46, 4.119, 116.291

■ 47, 2.483, 296.961

■ 47, 9.082, 297.606

■ 48, 15.659,
298.222

■ 49, 22.200,
298.806

■ 49, 28.694,
299.356

■ 50, 35.133,
299.873

■ 50, 41.510,
300.356

■ 51, 47.820,

■ 44, 53.309,
112.428

300.807

Harmonies

Complementary

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



46, 10.698, 115.599



40, 11.063, 297.933

Rectangle

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



46, 10.698, 115.599



46, 10.698, 165.599



46, 10.698, 295.599



46, 10.698, 345.599

Sweetspot

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



46, 10.699, 115.604



59, 4.059, 116.367



42, 6.740, 35.632



30, 2.750, 116.331



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, 10.699, 115.604



58, 15.396, 115.379



45, 11.838, 134.006



23, 3.747, 116.102



47, 56.417, 112.506



92, 96.533, 113.027

Inverse Universe

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



40, 11.063, 297.933



50, 16.030, 298.211



41, 11.996, 315.307



21, 3.820, 297.354



13, 75.437, 307.237



32, 129.494, 306.899

Previews

White Background



This preview shows how the CIELCh color 46, 10.698, 115.599 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, 10.698, 115.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

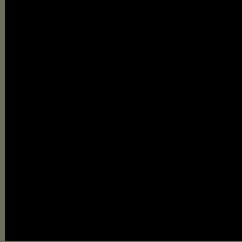
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

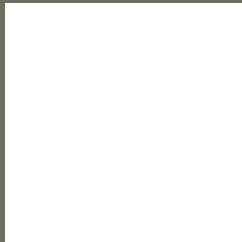
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.698, 115.599

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.698, 115.599.



This preview shows how white text looks on a background with the CIELCh color 46, 10.698, 115.599.

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, 10.698, 115.599

Protanopia

46, 10.374, 94.192

Deuteranopia

46, 10.978, 56.325



Tritanopia
46, 5.615, 307.440

Trichromacy



Original Color
46, 10.698, 115.599

Protanomaly
46, 10.652, 104.023

Deuteranomaly
46, 9.318, 75.023

Tritanomaly
46, 0.821, 19.075

Monochromacy



Original Color
46, 10.698, 115.599

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.170, 115.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.698, 115.599 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(108, 111, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 111, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.698, 115.599 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, 93) }
```

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

```
.border{ border-color:rgb(108, 111, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(108, 111,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.698, 115.599 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, 93) }
```

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

```
.background{ background-color: rgb(108,  
111, 93) }
```

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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