

Converting Colors

CIELCh(46, 15.396, 118.475)

Have a look what the booklet for
CIELCh(46, 15.396, 118.475)
contains.

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Color

CIELCh(46, 15.593, 119.305)

Conversions

Conversions Part 1

Format	Color
Hex	697056
RGB	105, 112, 86
RGB Percent	41%, 44%, 34%
CMY	0.5882, 0.5607, 0.6627
CMYK	0.06, 0.00, 0.23, 0.56
HSL	76°, 13%, 39%
HSV	76°, 23%, 44%
XYZ	13.3042, 15.2687, 11.0535
YIQ	106.9430, 4.1740, -9.5700

Conversions

Conversions Part 2

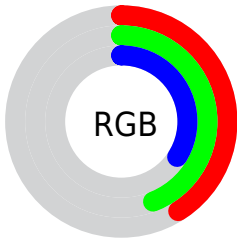
Format	Color
R_{YB}	86, 112, 93
Decimal	6910038
CIE _{Lab}	46.00, -7.63, 13.60
CIE _{LCh}	46, 15.593, 119.305
Yxy	15.2687, 0.3357, 0.3853
Android (android.graphics.Color)	4285100118 (0xFF697056)
YUV	106.9430, -10.3249, -1.7040
Hunter-Lab	39.0751, -7.6063, 10.5807

Details

The CIELCh color **46, 15.593, 119.305** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **38, 16.301, 302.148**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 15.735, 120.279**, and **26, 15.089, 118.382** is the 20% darker color. If you saturate the color by 10%, you get **46, 22.205, 118.726**, and if you desaturate by 10%, it is **47, 8.896, 119.894**.

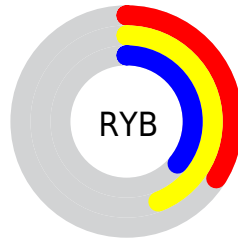
Distribution



Red (41%)

Green (44%)

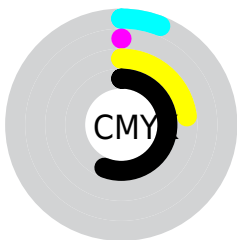
Blue (34%)



Red (34%)

Yellow (44%)

Blue (36%)

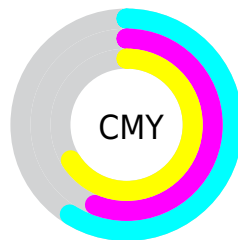


Cyan (6%)

Magenta (0%)

Yellow (23%)

Black (56%)



Cyan (59%)


Magenta (56%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.593, 119.305 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, 15.593, 119.305 by changing the saturation by 10% instead.


 46, 15.593,
119.305


 46, 15.593,
119.305


 100, 15.593,
119.305


 36, 15.593,
119.305

 66, 15.593,
119.305


 26, 15.593,
119.305

 76, 15.593,
119.305

 16, 15.593,
119.305


 86, 15.593,
119.305

 6, 15.593, 119.305

 96, 15.593,
119.305

 0, 15.593, 119.305

 46, 15.593,

 46, 15.593,

119.305

■ 46, 22.205,
118.726

■ 45, 28.656,
118.169

■ 45, 34.843,
117.671

■ 44, 40.612,
117.280

■ 44, 45.749,
117.064

■ 44, 49.989,
117.107

■ 43, 53.103,
117.487

■ 43, 55.042,
117.761

119.305

■ 47, 8.896, 119.894

■ 47, 2.160, 120.475

■ 48, 4.580, 301.009

■ 48, 11.298,
301.536

■ 49, 17.977,
302.031

■ 50, 24.602,
302.494

■ 50, 31.163,
302.925

■ 51, 37.653,
303.325

■ 52, 44.066,

Harmonies

Complementary

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



46, 15.593, 119.305



38, 16.301, 302.148

Rectangle

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



46, 15.593, 119.305



46, 15.593, 169.305



46, 15.593, 299.305



46, 15.593, 349.305

Sweetspot

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



46, 15.594, 119.308



60, 5.835, 120.243



41, 9.480, 46.407



31, 3.821, 120.221



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 15.594, 119.308



58, 23.235, 118.985



45, 17.606, 136.742



23, 3.792, 120.138



46, 57.791, 117.857



90, 99.118, 118.608

Inverse Universe

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



38, 16.301, 302.148



47, 24.574, 302.574



39, 17.824, 318.757



21, 3.860, 301.171



14, 74.348, 308.277



34, 127.800, 307.801

Previews

White Background



This preview shows how the CIE LCh color 46, 15.593, 119.305 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, 15.593, 119.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

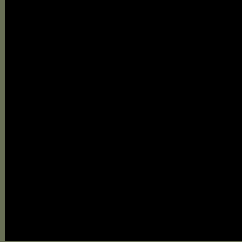
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

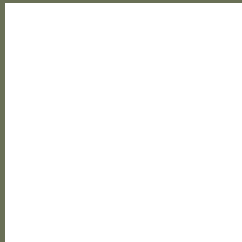
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 15.593, 119.305

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.593, 119.305.



This preview shows how white text looks on a background with the CIELCh color 46, 15.593, 119.305.

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, 15.593, 119.305

Protanopia

46, 15.067, 96.152

Deuteranopia

46, 14.177, 64.892



Tritanopia
46, 4.784, 295.613

Trichromacy



Original Color
46, 15.593, 119.305

Protanomaly
46, 14.742, 104.669

Deuteranomaly
46, 13.354, 86.987

Tritanomaly
46, 2.407, 119.705

Monochromacy



Original Color
46, 15.593, 119.305

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.068, 121.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 15.593, 119.305 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(105, 112, 86)` looks like.

```
.text, #text, p{  
    color:rgb(105, 112, 86)  
}
```

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(105, 112, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 112, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.593, 119.305 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(105, 112, 86) }
```

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

```
.border{ border-color:rgb(105, 112, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 112, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 112, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 112, 86);  
box-shadow:4px 4px 4px 4px rgb(105, 112,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.593, 119.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 112, 86) }
```

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

```
.background{ background-color: rgb(105,  
112, 86) }
```

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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