

Converting Colors

CIELCh(46, 26.084, 103.928)

Have a look what the booklet for
CIELCh(46, 26.084, 103.928)
contains.

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Color

CIELCh(46, 26.147, 104.467)

Conversions

Conversions Part 1

Format	Color
Hex	716F42
RGB	113, 111, 66
RGB Percent	44%, 44%, 26%
CMY	0.5569, 0.5648, 0.7412
CMYK	0.00, 0.02, 0.42, 0.56
HSL	57°, 26%, 35%
HSV	57°, 42%, 44%
XYZ	13.4740, 15.2687, 7.3892
YIQ	106.4680, 15.6370, -13.5710

Conversions

Conversions Part 2

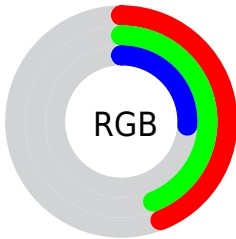
Format	Color
RYB	68, 113, 66
Decimal	7434050
CIELab	46.00, -6.53, 25.32
CIELCh	46, 26.147, 104.467
Yxy	15.2687, 0.3729, 0.4226
Android (android.graphics.Color)	4285624130 (0xFF716F42)
YUV	106.4680, -19.9507, 5.7286
Hunter-Lab	39.0751, -6.8304, 16.1407

Details


The CIELCh color $46, 26.147, 104.467$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 28.706, 293.846$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 26.240, 104.632$, and $26, 26.502, 104.724$ is the 20% darker color. If you saturate the color by 10%, you get $46, 32.064, 103.551$, and if you desaturate by 10%, it is $46, 20.004, 105.418$.

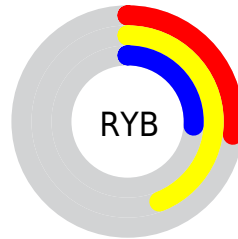
Distribution



 Red (44%)

 Green (44%)

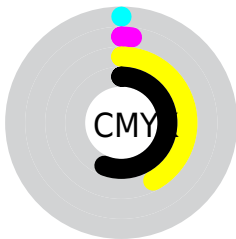
 Blue (26%)



 Red (27%)

 Yellow (44%)

 Blue (26%)

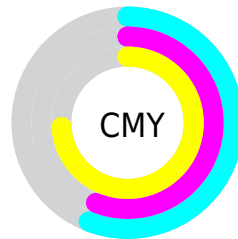


 Cyan (0%)

 Magenta (2%)

 Yellow (42%)

 Black (56%)



 Cyan (56%)


 Magenta (56%)

 Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 26.147, 104.467 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, 26.147, 104.467 by changing the saturation by 10% instead.


 46, 26.147,
104.467


 46, 26.147,
104.467


 100, 26.147,
104.467


 36, 26.147,
104.467

 66, 26.147,
104.467


 26, 26.147,
104.467

 76, 26.147,
104.467

 16, 26.147,
104.467

 86, 26.147,
104.467

 6, 26.147, 104.467

 96, 26.147,
104.467

 0, 26.147, 104.467

 46, 26.147,

 46, 26.147,

104.467

104.467

■ 46, 32.064,
103.551

■ 46, 20.004,
105.418

■ 45, 37.604,
102.683

■ 47, 13.728,
106.376

■ 45, 42.556,
101.891

■ 47, 7.384, 107.330

■ 45, 46.637,
101.203

■ 48, 1.011, 108.228

■ 48, 5.364, 289.213

■ 45, 49.551,
100.642

■ 49, 11.726,
290.100

■ 45, 51.599,
100.220

■ 49, 18.061,
290.958

■ 50, 24.362,
291.780

■ 50, 30.623,

Harmonies

Complementary

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



46, 26.147, 104.467



31, 28.706, 293.846

Rectangle

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



46, 26.147, 104.467



46, 26.147, 154.467



46, 26.147, 284.467



46, 26.147, 334.467

Sweetspot

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



46, 26.148, 104.470



61, 9.528, 107.262



34, 21.918, 19.501



31, 6.279, 107.176



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, 26.148, 104.470



59, 38.760, 103.575



45, 28.900, 125.398



23, 3.561, 107.576



47, 53.808, 100.203



92, 91.743, 100.045

Inverse Universe

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



31, 28.706, 293.846



36, 43.863, 295.659



32, 30.802, 309.437



21, 3.628, 289.336



12, 74.241, 305.435



32, 129.084, 305.932

Previews

White Background



This preview shows how the CIELCh color 46, 26.147, 104.467 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, 26.147, 104.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

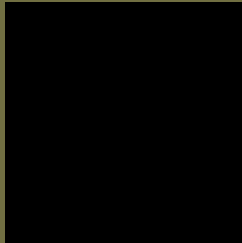
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 26.147, 104.467

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.147, 104.467.



This preview shows how white text looks on a background with the CIELCh color 46, 26.147, 104.467.

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, 26.147, 104.467

Protanopia

46, 26.097, 96.223

Deuteranopia

46, 25.266, 75.681



Tritanopia
46, 7.552, 335.292

Trichromacy



Original Color
46, 26.147, 104.467

Protanomaly
46, 26.383, 99.379

Deuteranomaly
46, 25.032, 87.141

Tritanomaly
46, 7.075, 76.235

Monochromacy



Original Color
46, 26.147, 104.467

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.073, 106.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.147, 104.467 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(113, 111, 66)` looks like.

```
.text, #text, p{  
    color:rgb(113, 111, 66)  
}
```

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(113, 111, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 111, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.147, 104.467 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(113, 111, 66) }
```

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

```
.border{ border-color:rgb(113, 111, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 111, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 111, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 111, 66);  
box-shadow:4px 4px 4px 4px rgb(113, 111,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.147, 104.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 111, 66) }
```

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

```
.background{ background-color: rgb(113,  
111, 66) }
```

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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