

Converting Colors

CIELCh(46, 1.578, 78.574)

Have a look what the booklet for
CIELCh(46, 1.578, 78.574) contains.

CIELCh(46, 1.949, 84.789)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 1.949, 84.789)

Conversions

Conversions Part 1

Format	Color
Hex	6F6D6A
RGB	111, 109, 106
RGB Percent	44%, 43%, 42%
CMY	0.5659, 0.5737, 0.5855
CMYK	0.00, 0.02, 0.05, 0.57
HSL	36°, 2%, 42%
HSV	36°, 5%, 43%
XYZ	14.5413, 15.2687, 15.7357
YIQ	109.2560, 2.1550, -0.5090

Conversions

Conversions Part 2

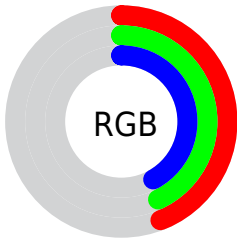
Format	Color
R _{YB}	109, 111, 106
Decimal	7302506
CIE Lab	46.00, 0.18, 1.94
CIE LCh	46, 1.949, 84.789
Yxy	15.2687, 0.3193, 0.3352
Android (android.graphics.Color)	4285492586 (0xFF6F6D6A)
YUV	109.2560, -1.6052, 1.5295
Hunter-Lab	39.0751, -1.9552, 3.4762

Details

The CIELCh color **46, 1.949, 84.789** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 1.951, 266.100**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 2.005, 74.827**, and **26, 2.003, 96.544** is the 20% darker color. If you saturate the color by 10%, you get **44, 6.369, 83.682**, and if you desaturate by 10%, it is **48, 2.348, 266.177**.

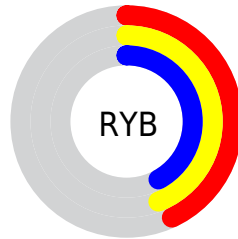
Distribution



Red (44%)

Green (43%)

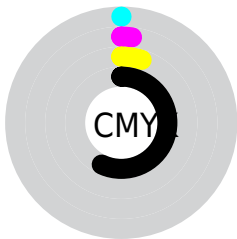
Blue (42%)



Red (43%)

Yellow (44%)

Blue (42%)

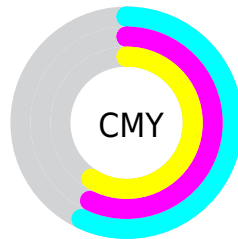


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (57%)



Cyan (57%)













Magenta (57%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 1.949, 84.789 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, 1.949, 84.789 by changing the saturation by 10% instead.

 46, 1.949, 84.789	 46, 1.949, 84.789
 100, 1.949, 84.789	 36, 1.949, 84.789
 66, 1.949, 84.789	 26, 1.949, 84.789
 76, 1.949, 84.789	 16, 1.949, 84.789
 86, 1.949, 84.789	 6, 1.949, 84.789
 96, 1.949, 84.789	 0, 1.949, 84.789

 46, 1.949, 84.789	 46, 1.949, 84.789
 44, 6.369, 83.682	 48, 2.348, 266.177
 43, 10.916, 82.445	 49, 6.531, 267.257
 41, 15.589, 81.168	 51, 10.609,

40, 20.373, 79.857	268.331
38, 25.230, 78.508	52, 14.592, 269.366
37, 30.079, 77.104	54, 18.489, 270.355
36, 34.763, 75.604	56, 22.308, 271.297
34, 39.003, 73.921	58, 26.056, 272.194
33, 42.514, 71.975	59, 29.739, 273.046
	61, 33.365, 273.854

Harmonies

Complementary

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



46, 1.949, 84.789



45, 1.951, 266.100

Rectangle

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



46, 1.949, 84.789



46, 1.949, 134.789



46, 1.949, 264.789



46, 1.949, 314.789

Sweetspot

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



46, 1.950, 84.828



59, 0.524, 84.908



45, 2.388, 349.673



30, 0.296, 84.879



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, 1.950, 84.828



58, 2.663, 84.766



47, 2.959, 113.759



23, 1.476, 84.737



35, 47.287, 70.799



70, 81.008, 68.763

Inverse Universe

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



45, 1.951, 266.100



58, 2.662, 266.166



45, 2.998, 294.465



23, 1.474, 266.197



22, 48.072, 290.839



46, 87.131, 293.198

Previews

White Background



This preview shows how the CIELCh color 46, 1.949, 84.789 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, 1.949, 84.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

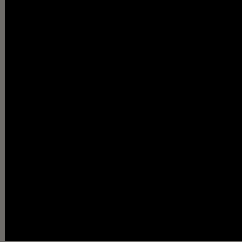
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

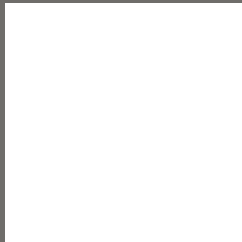
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 1.949, 84.789

Background



This preview shows how black text looks on a background with the CIELCh color 46, 1.949, 84.789.



This preview shows how white text looks on a background with the CIELCh color 46, 1.949, 84.789.

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, 1.949, 84.789

Protanopia

46, 2.027, 55.139

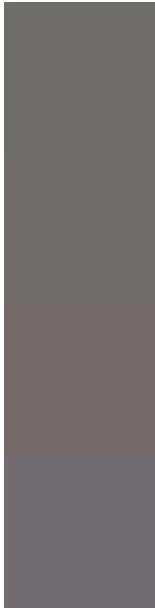
Deuteranopia

46, 6.314, 14.774



Tritanopia
46, 5.745, 311.283

Trichromacy



Original Color

46, 1.949, 84.789

Protanomaly

46, 2.027, 55.139

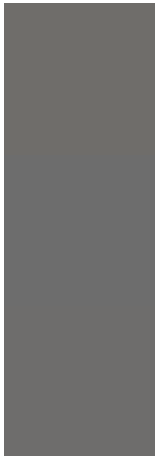
Deuteranomaly

46, 4.591, 19.891

Tritanomaly

46, 2.898, 324.569

Monochromacy



Original Color

46, 1.949, 84.789

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 0.712, 74.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 1.949, 84.789 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(111, 109, 106)` looks like.

```
.text, #text, p{  
    color:rgb(111, 109, 106)  
}
```

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(111, 109, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 109, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 1.949, 84.789 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(111, 109, 106) }
```

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

```
.border{ border-color:rgb(111, 109, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 109, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 109, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 109, 106);  
box-shadow:4px 4px 4px 4px rgb(111, 109,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 1.949, 84.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 109, 106) }
```

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

```
.background{ background-color: rgb(111,  
109, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor