

Converting Colors

CIE LCh(46, 2.006, 35.482)

Have a look what the booklet for
CIELCh(46, 2.006, 35.482) contains.

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Color

CIELCh(46, 2.145, 35.492)

Conversions

Conversions Part 1

Format	Color
Hex	716C6B
RGB	113, 108, 107
RGB Percent	44%, 42%, 42%
CMY	0.5572, 0.5768, 0.5808
CMYK	0.00, 0.04, 0.05, 0.56
HSL	10°, 3%, 43%
HSV	10°, 5%, 44%
XYZ	14.7988, 15.2687, 16.0507
YIQ	109.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

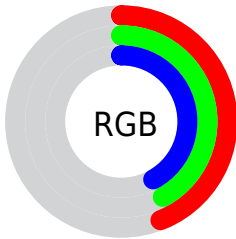
Format	Color
R_{YB}	113, 108, 107
Decimal	7433323
CIE _{Lab}	46.00, 1.75, 1.25
CIE _{LCh}	46, 2.145, 35.492
Yxy	15.2687, 0.3209, 0.3311
Android (android.graphics.Color)	4285623403 (0xFF716C6B)
YUV	109.3810, -1.1738, 3.1739
Hunter-Lab	39.0751, -0.7788, 2.9984

Details

The CIELCh color $46, 2.145, 35.492$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 2.080, 215.948$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 2.368, 32.895$, and $26, 1.939, 39.219$ is the 20% darker color. If you saturate the color by 10%, you get $43, 6.429, 35.658$, and if you desaturate by 10%, it is $49, 1.823, 215.969$.

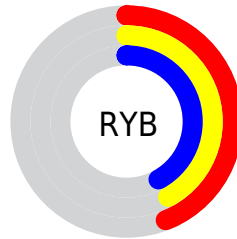
Distribution



Red (44%)

Green (42%)

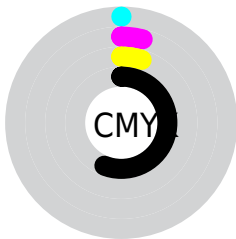
Blue (42%)



Red (44%)

Yellow (42%)

Blue (42%)

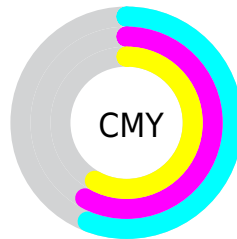


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (56%)



Cyan (56%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 2.145, 35.492 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, 2.145, 35.492 by changing the saturation by 10% instead.

■ 46, 2.145, 35.492 ■ 46, 2.145, 35.492

■ 100, 2.145, 35.492 ■ 36, 2.145, 35.492

■ 66, 2.145, 35.492 ■ 26, 2.145, 35.492

■ 76, 2.145, 35.492 ■ 16, 2.145, 35.492

■ 86, 2.145, 35.492 ■ 6, 2.145, 35.492

■ 96, 2.145, 35.492 ■ 0, 2.145, 35.492

■ 46, 2.145, 35.492 ■ 46, 2.145, 35.492

■ 43, 6.429, 35.658 ■ 49, 1.823, 215.969

■ 40, 11.057, 35.813 ■ 52, 5.505, 215.975

■ 37, 16.051, 36.104 ■ 55, 8.932, 216.137

35, 21.417, 36.576

58, 12.132,
216.349

32, 27.138, 37.271

61, 15.133,
216.590

30, 33.159, 38.219

27, 39.359, 39.407

64, 17.959,
216.850

26, 45.487, 40.724

67, 20.631,
217.122

24, 50.574, 41.298

71, 23.166,
217.400

74, 25.582,
217.681

Harmonies

Complementary

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



46, 2.145, 35.492



47, 2.080, 215.948

Rectangle

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



46, 2.145, 35.492



46, 2.145, 85.492



46, 2.145, 215.492



46, 2.145, 265.492

Sweetspot

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



46, 2.144, 35.530



61, 0.994, 35.271



46, 3.869, 329.643



31, 0.561, 35.233



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, 2.144, 35.530



59, 3.032, 35.551



47, 2.491, 90.443



22, 1.587, 35.554



25, 55.496, 41.950



53, 98.767, 42.201

Inverse Universe

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



47, 2.080, 215.948



60, 2.924, 215.935



46, 2.498, 271.823



23, 1.529, 215.934



39, 24.912, 227.016



77, 42.559, 229.018

Previews

White Background



This preview shows how the CIELCh color 46, 2.145, 35.492 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, 2.145, 35.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

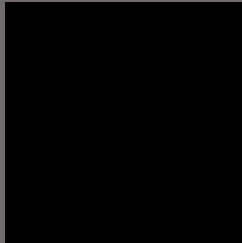
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 2.145, 35.492

Background



This preview shows how black text looks on a background with the CIELCh color 46, 2.145, 35.492.



This preview shows how white text looks on a background with the CIELCh color 46, 2.145, 35.492.

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, 2.145, 35.492

Protanopia

46, 1.364, 45.017

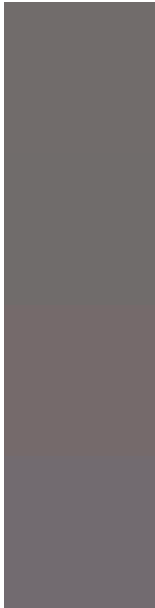
Deuteranopia

46, 6.378, 9.479



Tritanopia
46, 5.561, 321.289

Trichromacy



Original Color

46, 2.145, 35.492

Protanomaly

46, 1.748, 39.188

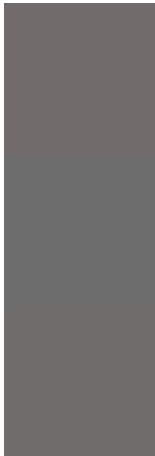
Deuteranomaly

46, 4.617, 12.544

Tritanomaly

46, 4.142, 334.051

Monochromacy



Original Color

46, 2.145, 35.492

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, 2.145, 35.492 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, 108, 107)` looks like.

```
.text, #text, p{  
    color:rgb(113, 108, 107)  
}
```

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, 108, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 108, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 2.145, 35.492 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, 108, 107) }
```

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

```
.border{ border-color:rgb(113, 108, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 108, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 108, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 108, 107);  
box-shadow:4px 4px 4px 4px rgb(113, 108,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 2.145, 35.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 108, 107) }
```

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

```
.background{ background-color: rgb(113,  
108, 107) }
```

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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