

Converting Colors

CIELCh(46, 4.639, 96.194)

Have a look what the booklet for
CIELCh(46, 4.639, 96.194) contains.

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Color

CIELCh(46, 4.802, 99.419)

Conversions

Conversions Part 1

Format	Color
Hex	6F6D65
RGB	111, 109, 101
RGB Percent	44%, 43%, 40%
CMY	0.5645, 0.5724, 0.6038
CMYK	0.00, 0.02, 0.09, 0.56
HSL	48°, 5%, 42%
HSV	48°, 9%, 44%
XYZ	14.3848, 15.2687, 14.5112
YIQ	108.6860, 3.7600, -2.0640

Conversions

Conversions Part 2

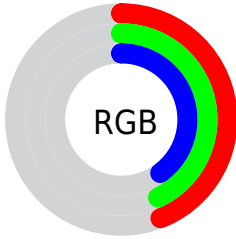
Format	Color
R_{YB}	104, 111, 101
Decimal	7302501
CIE Lab	46.00, -0.79, 4.74
CIE LCh	46, 4.802, 99.419
Yxy	15.2687, 0.3257, 0.3457
Android (android.graphics.Color)	4285492581 (0xFF6F6D65)
YUV	108.6860, -3.7892, 2.0294
Hunter-Lab	39.0751, -2.6702, 5.3343

Details

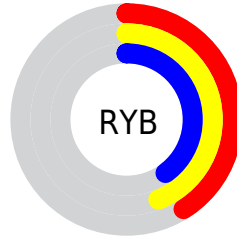
The CIELCh color **46, 4.802, 99.419** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 4.855, 281.447**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 4.558, 94.847**, and **26, 5.229, 103.938** is the 20% darker color. If you saturate the color by 10%, you get **45, 10.178, 98.344**, and if you desaturate by 10%, it is **47, 0.534, 280.712**.

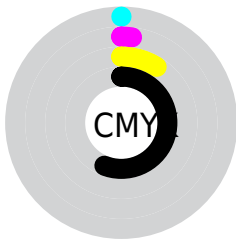
Distribution



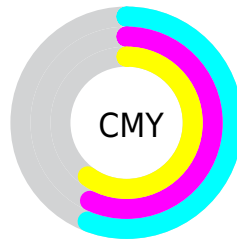
- Red (44%)
- Green (43%)
- Blue (40%)



- Red (41%)
- Yellow (44%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (56%)



- Cyan (56%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 4.802, 99.419 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, 4.802, 99.419 by changing the saturation by 10% instead.

 46, 4.802, 99.419	 46, 4.802, 99.419
 100, 4.802, 99.419	 36, 4.802, 99.419
 66, 4.802, 99.419	 26, 4.802, 99.419
 76, 4.802, 99.419	 16, 4.802, 99.419
 86, 4.802, 99.419	 6, 4.802, 99.419
 96, 4.802, 99.419	 0, 4.802, 99.419

 46, 4.802, 99.419	 46, 4.802, 99.419
 45, 10.178, 98.344	 47, 0.534, 280.712
 44, 15.571, 97.219	 48, 5.824, 281.567
 43, 20.950, 96.069	 49, 11.061,

■ 42, 26.253, 94.902	■ 282.547
■ 42, 31.382, 93.722	■ 50, 16.245, 283.489
■ 41, 36.170, 92.530	■ 51, 21.375, 284.388
■ 40, 40.363, 91.316	■ 52, 26.452, 285.244
■ 39, 43.616, 90.054	■ 53, 31.477, 286.055
■ 39, 46.210, 88.782	■ 54, 36.452, 286.824
	■ 55, 41.378, 287.551

Harmonies

Complementary

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



46, 4.802, 99.419



44, 4.855, 281.447

Rectangle

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



46, 4.802, 99.419



46, 4.802, 149.419



46, 4.802, 279.419



46, 4.802, 329.419

Sweetspot

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



46, 4.803, 99.433



60, 1.985, 100.028



44, 4.353, 3.968



31, 1.518, 99.964



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, 4.803, 99.433



59, 7.323, 99.188



46, 6.049, 121.323



23, 3.025, 99.432



42, 49.062, 88.528



82, 83.376, 87.576

Inverse Universe

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



44, 4.855, 281.447



55, 7.416, 281.722



43, 6.154, 302.300



22, 3.057, 281.448



16, 64.764, 301.417



36, 116.155, 302.905

Previews

White Background



This preview shows how the CIELCh color 46, 4.802, 99.419 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, 4.802, 99.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

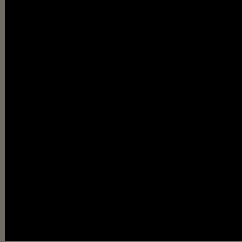
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

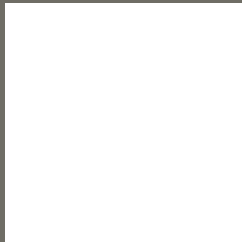
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 4.802, 99.419

Background



This preview shows how black text looks on a background with the CIELCh color 46, 4.802, 99.419.



This preview shows how white text looks on a background with the CIELCh color 46, 4.802, 99.419.

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, 4.802, 99.419

Protanopia

46, 5.014, 89.845

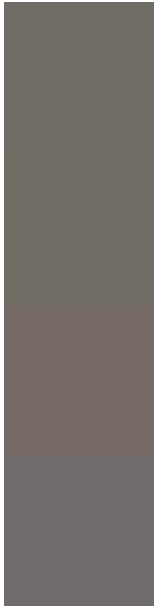
Deuteranopia

46, 7.458, 33.923



Tritanopia
46, 5.365, 317.551

Trichromacy



Original Color
46, 4.802, 99.419

Protanomaly
46, 4.890, 94.534

Deuteranomaly
46, 5.608, 44.822

Tritanomaly
46, 2.035, 343.796

Monochromacy



Original Color
46, 4.802, 99.419

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.816, 96.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 4.802, 99.419 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(111, 109, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 109, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 4.802, 99.419 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, 101) }
```

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

```
.border{ border-color:rgb(111, 109, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 109, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 109, 101);  
box-shadow:4px 4px 4px 4px rgb(111, 109,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 4.802, 99.419 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, 101) }
```

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

```
.background{ background-color: rgb(111,  
109, 101) }
```

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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