

Converting Colors

CIELCh(46, 10.069, 100.983)

Have a look what the booklet for
CIELCh(46, 10.069, 100.983)
contains.

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Color

CIELCh(46, 10.126, 101.386)

Conversions

Conversions Part 1

Format	Color
Hex	706D5C
RGB	112, 109, 92
RGB Percent	44%, 43%, 36%
CMY	0.5593, 0.5710, 0.6377
CMYK	0.00, 0.03, 0.18, 0.56
HSL	51°, 10%, 40%
HSV	51°, 18%, 44%
XYZ	14.1892, 15.2687, 12.4102
YIQ	107.9590, 7.2450, -4.6510

Conversions

Conversions Part 2

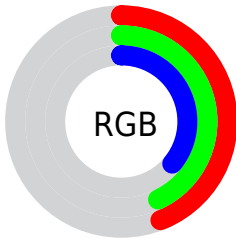
Format	Color
RYB	96, 112, 92
Decimal	7368028
CIELab	46.00, -2.00, 9.93
CIELCh	46, 10.126, 101.386
Yxy	15.2687, 0.3389, 0.3647
Android (android.graphics.Color)	4285558108 (0xFF706D5C)
YUV	107.9590, -7.8678, 3.5440
Hunter-Lab	39.0751, -3.5637, 8.5221

Details

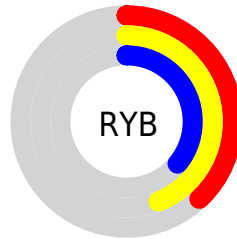
The CIELCh color **46, 10.126, 101.386** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 10.381, 285.319**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 10.052, 99.985**, and **26, 10.428, 102.629** is the 20% darker color. If you saturate the color by 10%, you get **45, 15.823, 100.323**, and if you desaturate by 10%, it is **47, 4.429, 102.433**.

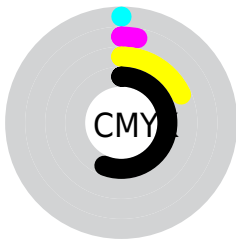
Distribution



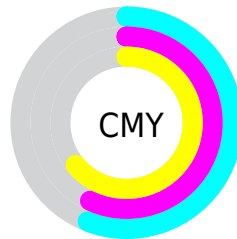
- Red (44%)
- Green (43%)
- Blue (36%)



- Red (38%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (18%)
- Black (56%)





- Cyan (56%)
- Magenta (57%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.126, 101.386 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, 10.126, 101.386 by changing the saturation by 10% instead.


 46, 10.126,
101.386


 46, 10.126,
101.386


 100, 10.126,
101.386


 36, 10.126,
101.386

 66, 10.126,
101.386


 26, 10.126,
101.386

 76, 10.126,
101.386

 16, 10.126,
101.386


 86, 10.126,
101.386

 6, 10.126, 101.386

 96, 10.126,
101.386

 0, 10.126, 101.386

 46, 10.126,

 46, 10.126,

101.386

101.386

45, 15.823,
100.323

47, 4.429, 102.433

45, 21.478, 99.236

48, 1.248, 283.542

44, 27.028, 98.143

48, 6.892, 284.472

43, 32.365, 97.053

49, 12.494,
285.416

43, 37.323, 95.975

50, 18.050,
286.322

42, 41.647, 94.914

51, 23.558,
287.187

41, 45.004, 93.865

41, 47.486, 92.831

52, 29.018,
288.009

41, 48.072, 92.614

53, 34.429,
288.789

54, 39.791,

Harmonies

Complementary

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



46, 10.126, 101.386



41, 10.381, 285.319

Rectangle

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



46, 10.126, 101.386



46, 10.126, 151.386



46, 10.126, 281.386



46, 10.126, 331.386

Sweetspot

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



46, 10.127, 101.393



60, 3.497, 102.699



41, 8.768, 8.717



31, 2.405, 102.646



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, 10.127, 101.393



58, 14.752, 100.996



46, 12.175, 122.771



23, 3.187, 102.311



43, 50.301, 92.533



85, 85.510, 91.864

Inverse Universe

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



41, 10.381, 285.319



51, 15.204, 285.824



41, 12.550, 304.629



21, 3.231, 284.241



14, 68.287, 303.025



34, 121.620, 304.253

Previews

White Background



This preview shows how the CIELCh color 46, 10.126, 101.386 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, 10.126, 101.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

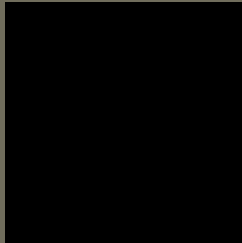
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

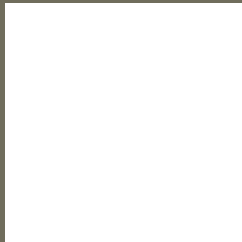
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.126, 101.386

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.126, 101.386.



This preview shows how white text looks on a background with the CIELCh color 46, 10.126, 101.386.

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

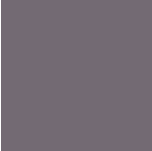
46, 10.126, 101.386

Protanopia

46, 10.374, 94.192

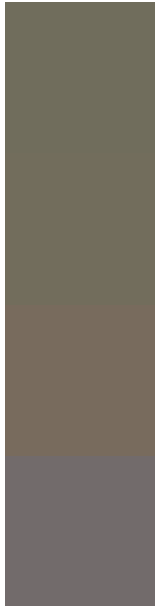
Deuteranopia

46, 11.368, 58.563



Tritanopia
46, 6.504, 324.822

Trichromacy



Original Color
46, 10.126, 101.386

Protanomaly
46, 10.273, 96.555

Deuteranomaly
46, 10.071, 74.687

Tritanomaly
46, 2.900, 19.636

Monochromacy



Original Color
46, 10.126, 101.386

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.160, 103.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.126, 101.386 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(112, 109, 92)` looks like.

```
.text, #text, p{  
    color:rgb(112, 109, 92)  
}
```

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(112, 109, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 109, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.126, 101.386 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(112, 109, 92) }
```

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

```
.border{ border-color:rgb(112, 109, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 109, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 109, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 109, 92);  
box-shadow:4px 4px 4px 4px rgb(112, 109,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.126, 101.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 109, 92) }
```

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

```
.background{ background-color: rgb(112,  
109, 92) }
```

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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