

Converting Colors

CIELCh(46, 39.808, 104.607)

Have a look what the booklet for
CIELCh(46, 39.808, 104.607)
contains.

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Color

CIELCh(46, 39.623, 104.623)

Conversions

Conversions Part 1

Format	Color
Hex	707029
RGB	112, 112, 41
RGB Percent	44%, 44%, 16%
CMY	0.5597, 0.5598, 0.8382
CMYK	0.00, 0.00, 0.63, 0.56
HSL	60°, 46%, 30%
HSV	60°, 63%, 44%
XYZ	12.9430, 15.2687, 4.3856
YIQ	103.9060, 22.7910, -22.0810

Conversions

Conversions Part 2

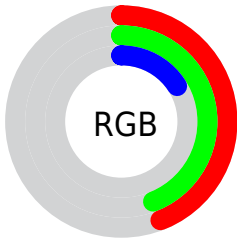
Format	Color
R_{YB}	41, 112, 41
Decimal	7368745
CIE _{Lab}	46.00, -10.00, 38.34
CIE _{LCh}	46, 39.623, 104.623
Yxy	15.2687, 0.3971, 0.4684
Android (android.graphics.Color)	4285558825 (0xFF707029)
YUV	103.9060, -31.0127, 7.0984
Hunter-Lab	39.0751, -9.2563, 20.6982

Details

The CIELCh color **46, 39.623, 104.623** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 47.396, 299.603**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 39.760, 104.691**, and **26, 35.642, 104.719** is the 20% darker color. If you saturate the color by 10%, you get **46, 44.517, 103.958**, and if you desaturate by 10%, it is **46, 34.061, 105.397**.

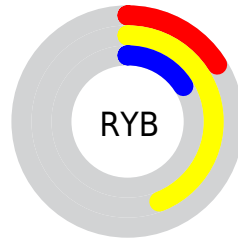
Distribution



Red (44%)

Green (44%)

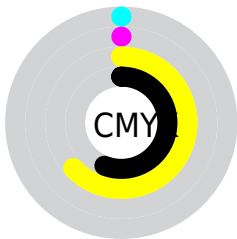
Blue (16%)



Red (16%)

Yellow (44%)

Blue (16%)

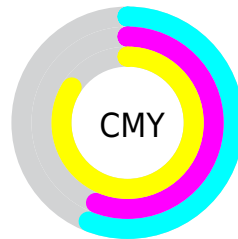


Cyan (0%)

Magenta (0%)

Yellow (63%)

Black (56%)



Cyan (56%)

Magenta (56%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 39.623, 104.623 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, 39.623, 104.623 by changing the saturation by 10% instead.


 46, 39.623,
104.623


 46, 39.623,
104.623


 100, 39.623,
104.623


 36, 39.623,
104.623

 66, 39.623,
104.623


 26, 39.623,
104.623

 76, 39.623,
104.623

 16, 39.623,
104.623

 86, 39.623,
104.623

 6, 39.623, 104.623

 96, 39.623,
104.623

 0, 39.623, 104.623

 46, 39.623,

 46, 39.623,

104.623

104.623

■ 46, 44.517,
103.958

■ 46, 34.061,
105.397

■ 46, 48.465,
103.429

■ 46, 28.055,
106.241

■ 46, 51.239,
103.063

■ 46, 21.769,
107.130

■ 46, 52.917,
102.844

■ 47, 15.312,
108.042

■ 47, 8.757, 108.960

■ 47, 2.151, 109.859

■ 48, 4.475, 290.785

■ 48, 11.098,
291.652

■ 48, 17.703,

Harmonies

Complementary

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



46, 39.623, 104.623



21, 47.396, 299.603

Rectangle

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



46, 39.623, 104.623



46, 39.623, 154.623



46, 39.623, 284.623



46, 39.623, 334.623

Sweetspot

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



46, 39.623, 104.625



60, 15.483, 108.388



27, 35.209, 26.344



31, 10.730, 108.180



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, 39.623, 104.625



59, 56.030, 103.689



43, 42.849, 125.840



23, 3.715, 109.348



49, 55.444, 102.844



95, 94.690, 102.843

Inverse Universe

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



21, 47.396, 299.603



22, 71.295, 302.670



25, 47.108, 311.600



21, 3.791, 291.050



12, 76.558, 306.284



31, 130.758, 306.286

Previews

White Background



This preview shows how the CIELCh color 46, 39.623, 104.623 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, 39.623, 104.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

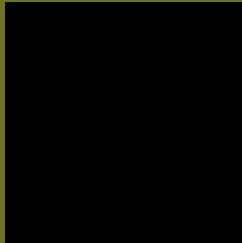
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 39.623, 104.623

Background



This preview shows how black text looks on a background with the CIELCh color 46, 39.623, 104.623.



This preview shows how white text looks on a background with the CIELCh color 46, 39.623, 104.623.

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, 39.623, 104.623

Protanopia

46, 39.319, 95.425

Deuteranopia

46, 38.010, 81.639



Tritanopia
46, 7.462, 340.839

Trichromacy



Original Color
46, 39.623, 104.623

Protanomaly
46, 39.408, 98.993

Deuteranomaly
46, 37.806, 90.026

Tritanomaly
46, 13.045, 90.637

Monochromacy



Original Color
46, 39.623, 104.623

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 15.374, 107.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 39.623, 104.623 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, 112, 41)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 41)  
}
```

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, 112, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 39.623, 104.623 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, 112, 41) }
```

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

```
.border{ border-color:rgb(112, 112, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 41);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 39.623, 104.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 41) }
```

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

```
.background{ background-color: rgb(112,  
112, 41) }
```

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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