

Converting Colors

CIELCh(46, 46.025, 96.468)

Have a look what the booklet for
CIELCh(46, 46.025, 96.468) contains.

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Color

CIELCh(46, 46.301, 96.401)

Conversions

Conversions Part 1

Format	Color
Hex	7A6E18
RGB	122, 110, 24
RGB Percent	48%, 43%, 9%
CMY	0.5228, 0.5697, 0.9072
CMYK	0.00, 0.10, 0.81, 0.52
HSL	53°, 67%, 29%
HSV	53°, 81%, 48%
XYZ	13.6876, 15.2687, 3.0717
YIQ	103.7840, 34.7580, -24.2020

Conversions

Conversions Part 2

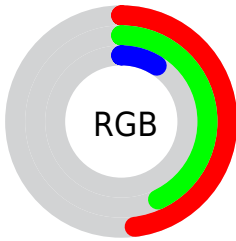
Format	Color
RYB	38, 122, 24
Decimal	8023576
CIELab	46.00, -5.16, 46.01
CIElCh	46, 46.301, 96.401
Yxy	15.2687, 0.4274, 0.4767
Android (android.graphics.Color)	4286213656 (0xFF7A6E18)
YUV	103.7840, -39.3335, 15.9754
Hunter-Lab	39.0751, -5.8549, 22.6918

Details

The CIELCh color **46, 46.301, 96.401** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **19, 57.533, 299.486**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 46.383, 96.379**, and **26, 35.472, 96.837** is the 20% darker color. If you saturate the color by 10%, you get **46, 49.421, 95.477**, and if you desaturate by 10%, it is **47, 41.986, 97.372**.

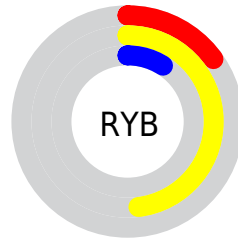
Distribution



Red (48%)

Green (43%)

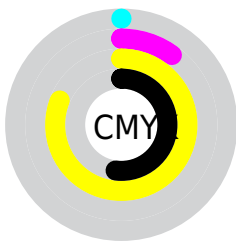
Blue (9%)



Red (15%)

Yellow (48%)

Blue (9%)

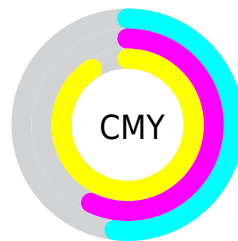


Cyan (0%)

Magenta (10%)

Yellow (81%)

Black (52%)



Cyan (52%)



















Magenta (57%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 46.301, 96.401 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, 46.301, 96.401 by changing the saturation by 10% instead.

 46, 46.301, 96.401	 46, 46.301, 96.401
 100, 46.301, 96.401	 36, 46.301, 96.401
 66, 46.301, 96.401	 26, 46.301, 96.401
 76, 46.301, 96.401	 16, 46.301, 96.401
 86, 46.301, 96.401	 6, 46.301, 96.401
 96, 46.301, 96.401	 0, 46.301, 96.401
 46, 46.301, 96.401	 46, 46.301, 96.401
 46, 49.421, 95.477	 47, 41.986, 97.372
 45, 51.661, 94.637	 47, 36.841, 98.381

■ 48, 31.174, 99.421

■ 48, 25.199,
100.478

■ 49, 19.056,
101.539

■ 50, 12.832,
102.593

■ 50, 6.582, 103.626

■ 51, 0.336, 104.412

■ 52, 5.886, 285.650

Harmonies

Complementary

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



46, 46.301, 96.401



19, 57.533, 299.486

Rectangle

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



46, 46.301, 96.401



46, 46.301, 146.401



46, 46.301, 276.401



46, 46.301, 326.401

Sweetspot

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



46, 46.301, 96.404



63, 18.565, 102.169



26, 45.846, 23.805



32, 12.680, 101.865



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 46.301, 96.404



58, 61.743, 94.685



47, 53.510, 121.329



25, 3.530, 103.776



46, 52.643, 94.612



88, 88.274, 94.118

Inverse Universe

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



19, 57.533, 299.486



21, 85.212, 303.799



20, 63.218, 309.323



24, 3.584, 285.691



15, 72.389, 303.862



34, 126.167, 304.861

Previews

White Background



This preview shows how the CIELCh color 46, 46.301, 96.401 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, 46.301, 96.401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

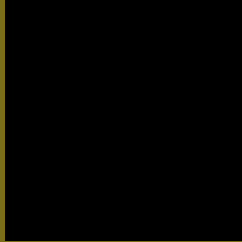
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 46.301, 96.401

Background



This preview shows how black text looks on a background with the CIELCh color 46, 46.301, 96.401.



This preview shows how white text looks on a background with the CIELCh color 46, 46.301, 96.401.

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, 46.301, 96.401

Protanopia

46, 46.059, 95.127

Deuteranopia

46, 45.746, 83.032



Tritanopia
46, 11.811, 357.390

Trichromacy



Original Color
46, 46.301, 96.401

Protanomaly
46, 46.059, 95.127

Deuteranomaly
46, 45.461, 88.103

Tritanomaly
46, 18.268, 76.287

Monochromacy



Original Color
46, 46.301, 96.401

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 18.482, 100.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 46.301, 96.401 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(122, 110, 24)` looks like.

```
.text, #text, p{  
    color:rgb(122, 110, 24)  
}
```

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(122, 110, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 110, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 46.301, 96.401 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(122, 110, 24) }
```

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

```
.border{ border-color:rgb(122, 110, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 110, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 110, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 110, 24);  
box-shadow:4px 4px 4px 4px rgb(122, 110,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 46.301, 96.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 110, 24) }
```

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

```
.background{ background-color: rgb(122,  
110, 24) }
```

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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