

Converting Colors

CIELCh(45, 46.300, 72.080)

Have a look what the booklet for
CIELCh(45, 46.300, 72.080) contains.

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Color

CIELCh(45, 46.369, 71.799)

Conversions

Conversions Part 1

Format	Color
Hex	92601D
RGB	146, 96, 29
RGB Percent	57%, 38%, 11%
CMY	0.4278, 0.6238, 0.8866
CMYK	0.00, 0.34, 0.80, 0.43
HSL	34°, 67%, 34%
HSV	34°, 80%, 57%
XYZ	16.2336, 14.5417, 3.1081
YIQ	103.3120, 51.3070, -10.2370

Conversions

Conversions Part 2

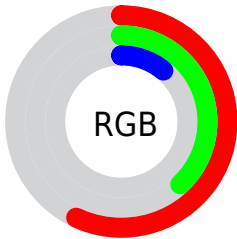
Format	Color
R_{YB}	116, 146, 29
Decimal	9592861
CIE Lab	45.00, 14.48, 44.05
CIE LCh	45, 46.369, 71.799
Yxy	14.5417, 0.4791, 0.4292
Android (android.graphics.Color)	4287782941 (0xFF92601D)
YUV	103.3120, -36.6358, 37.4374
Hunter-Lab	38.1336, 9.2544, 21.8611

Details

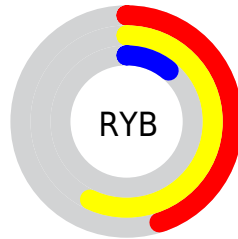
The CIELCh color **45, 46.369, 71.799** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **34, 42.593, 281.837**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 46.600, 72.152**, and **25, 38.293, 67.019** is the 20% darker color. If you saturate the color by 10%, you get **43, 51.055, 69.802**, and if you desaturate by 10%, it is **47, 40.752, 73.463**.

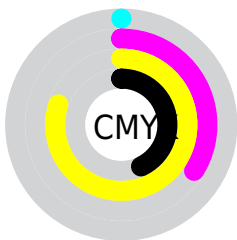
Distribution



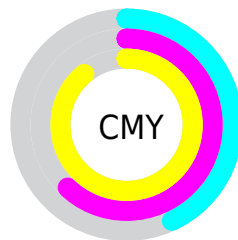
- Red (57%)
- Green (38%)
- Blue (11%)



- Red (45%)
- Yellow (57%)
- Blue (11%)



- Cyan (0%)
- Magenta (34%)
- Yellow (80%)
- Black (43%)



- Cyan (43%)
- Magenta (62%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 46.369, 71.799 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 45, 46.369, 71.799 by changing the saturation by 10% instead.

■ 45, 46.369, 71.799

■ 45, 46.369, 71.799

■ 100, 46.369,
71.799

■ 35, 46.369, 71.799

■ 65, 46.369, 71.799

■ 25, 46.369, 71.799

■ 75, 46.369, 71.799

■ 15, 46.369, 71.799

■ 85, 46.369, 71.799

■ 5, 46.369, 71.799

■ 95, 46.369, 71.799

■ 0, 46.369, 71.799

■ 45, 46.369, 71.799

■ 45, 46.369, 71.799

■ 43, 51.055, 69.802

■ 47, 40.752, 73.463

■ 42, 54.816, 67.616

■ 49, 34.730, 74.952

■ 50, 28.617, 76.356

■ 52, 22.574, 77.714

■ 54, 16.679, 79.037

■ 56, 10.965, 80.327

■ 58, 5.437, 81.570

■ 60, 0.089, 80.079

■ 63, 5.091, 264.082

Harmonies

Complementary

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



45, 46.369, 71.799



34, 42.593, 281.837

Rectangle

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



45, 46.369, 71.799



45, 46.369, 121.799



45, 46.369, 251.799



45, 46.369, 301.799

Sweetspot

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



45, 46.368, 71.802



70, 16.202, 79.776



33, 50.881, 359.891



36, 11.155, 79.364



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 46.368, 71.802



54, 64.857, 67.859



58, 58.272, 107.014



30, 3.045, 81.686



39, 52.530, 67.815



2, 2.633, 82.861

Inverse Universe

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



34, 42.593, 281.837



38, 63.554, 288.922



21, 74.970, 304.224



29, 3.013, 264.109



27, 51.276, 289.354



1, 2.634, 262.871

Previews

White Background



This preview shows how the CIELCh color 45, 46.369, 71.799 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 45, 46.369, 71.799 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 45, 46.369, 71.799

Background



This preview shows how black text looks on a background with the CIELCh color 45, 46.369, 71.799.



This preview shows how white text looks on a background with the CIELCh color 45, 46.369, 71.799.

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

45, 46.369, 71.799

Protanopia

45, 42.017, 95.477

Deuteranopia

45, 44.591, 82.425



Tritanopia
45, 26.405, 15.637

Trichromacy



Original Color
45, 46.369, 71.799

Protanomaly
45, 42.441, 86.588

Deuteranomaly
45, 44.815, 78.447

Tritanomaly
45, 29.973, 45.232

Monochromacy



Original Color
45, 46.369, 71.799

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 16.893, 76.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 46.369, 71.799 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(146, 96, 29)` looks like.

```
.text, #text, p{  
    color:rgb(146, 96, 29)  
}
```

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(146, 96, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 96, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 46.369, 71.799 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(146, 96, 29) }
```

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

```
.border{ border-color:rgb(146, 96, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 96, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 96, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 96, 29);  
box-shadow:4px 4px 4px 4px rgb(146, 96,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 46.369, 71.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 96, 29) }
```

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

```
.background{ background-color: rgb(146, 96,  
29) }
```

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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