

Converting Colors

CIELCh(49, 40.954, 80.602)

Have a look what the booklet for
CIELCh(49, 40.954, 80.602) contains.

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Color

CIELCh(49, 40.954, 80.602)

Conversions

Conversions Part 1

Format	Color
Hex	926F2E
RGB	146, 111, 46
RGB Percent	57%, 44%, 18%
CMY	0.4286, 0.5657, 0.8206
CMYK	0.00, 0.24, 0.69, 0.43
HSL	39°, 52%, 38%
HSV	39°, 69%, 57%
XYZ	17.9489, 17.5941, 5.0094
YIQ	114.0550, 41.7250, -12.7950

Conversions

Conversions Part 2

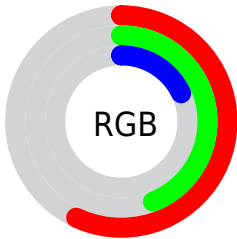
Format	Color
R_{YB}	100, 146, 46
Decimal	9596718
CIE _{Lab}	49.00, 6.69, 40.40
CIE _{LCh}	49, 40.954, 80.602
Y _{xy}	17.5941, 0.4426, 0.4339
Android (android.graphics.Color)	4287786798 (0xFF926F2E)
YUV	114.0550, -33.5511, 28.0158
Hunter-Lab	41.9453, 2.9781, 22.2809

Details

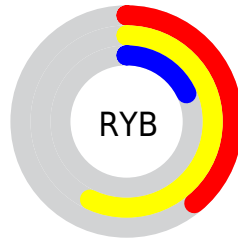
The CIELCh color **49, 40.954, 80.602** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **35, 40.862, 284.007**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 40.913, 80.079**, and **29, 39.332, 80.237** is the 20% darker color. If you saturate the color by 10%, you get **48, 46.341, 78.987**, and if you desaturate by 10%, it is **51, 35.047, 82.092**.

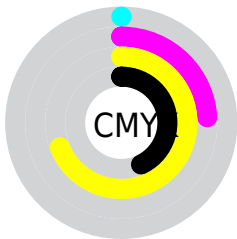
Distribution



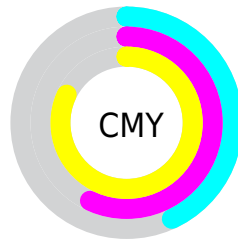
- Red (57%)
- Green (44%)
- Blue (18%)



- Red (39%)
- Yellow (57%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (43%)



- Cyan (43%)
- Magenta (57%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 40.954, 80.602 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 49, 40.954, 80.602 by changing the saturation by 10% instead.

■ 49, 40.954, 80.602

■ 49, 40.954, 80.602

■ 100, 40.954,
80.602

■ 39, 40.954, 80.602

■ 69, 40.954, 80.602

■ 29, 40.954, 80.602

■ 79, 40.954, 80.602

■ 19, 40.954, 80.602

■ 89, 40.954, 80.602

■ 9, 40.954, 80.602

■ 99, 40.954, 80.602

■ 0, 40.954, 80.602

■ 49, 40.954, 80.602

■ 49, 40.954, 80.602

■ 48, 46.341, 78.987

■ 51, 35.047, 82.092

■ 46, 50.713, 77.121

■ 52, 28.936, 83.504

45, 53.892, 74.978

54, 22.795, 84.868

45, 54.371, 74.702

55, 16.719, 86.193

57, 10.752, 87.476

59, 4.911, 88.705

61, 0.799, 270.204

63, 6.382, 271.147

64, 11.846,
272.246

Harmonies

Complementary

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



49, 40.954, 80.602



35, 40.862, 284.007

Rectangle

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



49, 40.954, 80.602



49, 40.954, 130.602



49, 40.954, 260.602



49, 40.954, 310.602

Sweetspot

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



49, 40.954, 80.605



72, 15.037, 87.118



35, 44.875, 3.008



37, 10.173, 86.807



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 40.954, 80.605



60, 58.957, 78.081



58, 52.618, 111.566



30, 3.268, 88.632



42, 52.179, 74.867



2, 2.839, 89.783

Inverse Universe

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



35, 40.862, 284.007



40, 61.254, 289.159



27, 63.776, 303.810



29, 3.263, 270.998



24, 58.725, 294.726



1, 2.839, 269.790

Previews

White Background



This preview shows how the CIELCh color 49, 40.954, 80.602 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 49, 40.954, 80.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

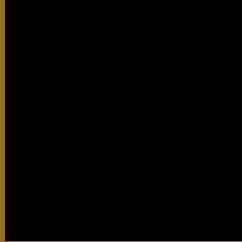
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 40.954, 80.602

Background



This preview shows how black text looks on a background with the CIELCh color 49, 40.954, 80.602.



This preview shows how white text looks on a background with the CIELCh color 49, 40.954, 80.602.

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

49, 40.954, 80.602

Protanopia

49, 39.156, 95.837

Deuteranopia

49, 40.729, 81.204



Tritanopia
49, 19.881, 8.552

Trichromacy



Original Color
49, 40.954, 80.602

Protanomaly
49, 39.638, 90.218

Deuteranomaly
49, 40.729, 81.204

Tritanomaly
49, 22.058, 49.378

Monochromacy



Original Color
49, 40.954, 80.602

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 15.226, 86.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 40.954, 80.602 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, 111, 46)` looks like.

```
.text, #text, p{  
    color:rgb(146, 111, 46)  
}
```

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, 111, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 111, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 40.954, 80.602 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, 111, 46) }
```

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

```
.border{ border-color:rgb(146, 111, 46) }
```

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

Here you see how a box with a 4 pixel rgb(146, 111, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 111, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 111, 46);  
box-shadow:4px 4px 4px 4px rgb(146, 111,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 40.954, 80.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 111, 46) }
```

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

```
.background{ background-color: rgb(146,  
111, 46) }
```

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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