

Converting Colors

CIELCh(41, 49.095, 81.211)

Have a look what the booklet for
CIELCh(41, 49.095, 81.211) contains.

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Color

CIELCh(41, 49.180, 81.603)

Conversions

Conversions Part 1

Format	Color
Hex	7E5B01
RGB	126, 91, 1
RGB Percent	49%, 36%, 0%
CMY	0.5068, 0.6440, 0.9971
CMYK	0.00, 0.28, 0.99, 0.51
HSL	43°, 99%, 25%
HSV	43°, 99%, 49%
XYZ	12.2950, 11.8645, 1.6631
YIQ	91.2050, 49.7500, -20.5700

Conversions

Conversions Part 2

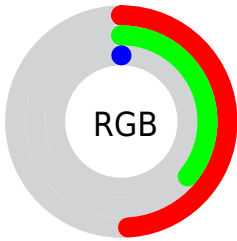
Format	Color
R_{YB}	50, 126, 1
Decimal	8280833
CIE _{Lab}	41.00, 7.18, 48.65
CIE _{LCh}	41, 49.180, 81.603
Yxy	11.8645, 0.4761, 0.4595
Android (android.graphics.Color)	4286470913 (0xFF7E5B01)
YUV	91.2050, -44.4711, 30.5152
Hunter-Lab	34.4449, 3.4362, 21.2487

Details

The CIELCh color **41, 49.180, 81.603** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **19, 60.340, 298.059**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 49.396, 81.637**, and **21, 31.308, 75.587** is the 20% darker color. If you saturate the color by 10%, you get **41, 49.362, 81.513**, and if you desaturate by 10%, it is **42, 46.380, 83.329**.

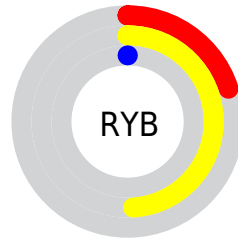
Distribution



Red (49%)

Green (36%)

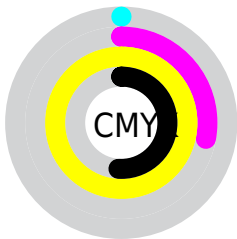
Blue (0%)



Red (20%)

Yellow (49%)

Blue (0%)

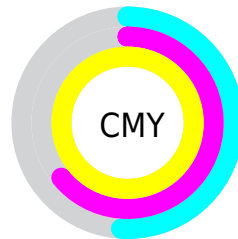


Cyan (0%)

Magenta (28%)

Yellow (99%)

Black (51%)



Cyan (51%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 49.180, 81.603 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 41, 49.180, 81.603 by changing the saturation by 10% instead.

41, 49.180, 81.603

41, 49.180, 81.603

100, 49.180,
81.603

31, 49.180, 81.603

61, 49.180, 81.603

21, 49.180, 81.603

71, 49.180, 81.603

11, 49.180, 81.603

81, 49.180, 81.603

1, 49.180, 81.603

91, 49.180, 81.603

0, 49.180, 81.603

41, 49.180, 81.603

41, 49.180, 81.603

41, 49.362, 81.513

42, 46.380, 83.329

43, 42.762, 84.953

■ 44, 38.143, 86.418

■ 45, 32.944, 87.797

■ 46, 27.452, 89.124

■ 48, 21.845, 90.415

■ 49, 16.221, 91.673

■ 50, 10.636, 92.895

■ 51, 5.117, 94.070

Harmonies

Complementary

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



41, 49.180, 81.603



19, 60.340, 298.059

Rectangle

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



41, 49.180, 81.603



41, 49.180, 131.603



41, 49.180, 261.603



41, 49.180, 311.603

Sweetspot

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



41, 49.179, 81.606



62, 20.491, 91.512



25, 51.573, 20.287



31, 13.935, 91.082



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



41, 49.179, 81.606



53, 59.592, 80.922



49, 58.881, 115.214



26, 3.098, 94.104



41, 49.850, 81.479



0, 0.000, 0.000

Inverse Universe

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



19, 60.340, 298.059



25, 75.193, 299.014



14, 77.279, 307.598



25, 3.113, 276.310



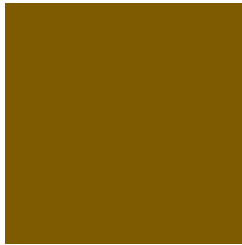
19, 61.414, 298.265



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 41, 49.180, 81.603 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 41, 49.180, 81.603 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 41, 49.180, 81.603

Background



This preview shows how black text looks on a background with the CIELCh color 41, 49.180, 81.603.



This preview shows how white text looks on a background with the CIELCh color 41, 49.180, 81.603.

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

41, 49.180, 81.603

Protanopia

41, 46.367, 95.000

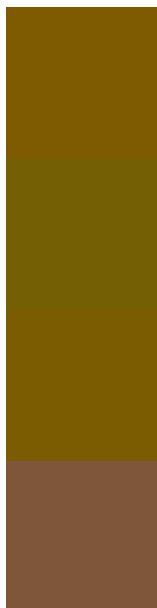
Deuteranopia

41, 48.973, 84.014



Tritanopia
41, 20.545, 10.837

Trichromacy



Original Color
41, 49.180, 81.603

Protanomaly
41, 47.023, 89.969

Deuteranomaly
41, 49.162, 83.466

Tritanomaly
40, 27.182, 58.822

Monochromacy



Original Color
41, 49.180, 81.603

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 20.948, 89.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 49.180, 81.603 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(126, 91, 1)` looks like.

```
.text, #text, p{  
    color:rgb(126, 91, 1)  
}
```

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(126, 91, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 91, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 49.180, 81.603 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(126, 91, 1) }
```

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

```
.border{ border-color:rgb(126, 91, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 91, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 91, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 91, 1);  
box-shadow:4px 4px 4px 4px rgb(126, 91, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 49.180, 81.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 91, 1) }
```

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

```
.background{ background-color: rgb(126, 91,  
1) }
```

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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