

Converting Colors

CIELCh(48, 40.883, 85.075)

Have a look what the booklet for
CIELCh(48, 40.883, 85.075) contains.

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Color

CIELCh(48, 41.106, 84.722)

Conversions

Conversions Part 1

Format	Color
Hex	8B6E2A
RGB	139, 110, 42
RGB Percent	55%, 43%, 16%
CMY	0.4551, 0.5688, 0.8354
CMYK	0.00, 0.21, 0.70, 0.46
HSL	42°, 54%, 35%
HSV	42°, 70%, 54%
XYZ	16.6281, 16.7945, 4.5519
YIQ	110.9190, 39.1120, -15.0000

Conversions

Conversions Part 2

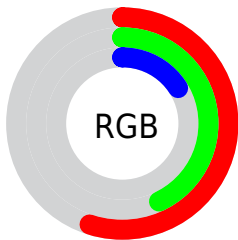
Format	Color
R_{YB}	83, 139, 42
Decimal	9137706
CIE _{Lab}	48.00, 3.78, 40.93
CIE _{LCh}	48, 41.106, 84.722
Yxy	16.7945, 0.4379, 0.4423
Android (android.graphics.Color)	4287327786 (0xFF8B6E2A)
YUV	110.9190, -33.9771, 24.6270
Hunter-Lab	40.9810, 0.7096, 22.1012

Details

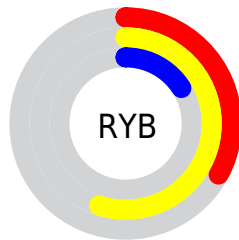
The CIELCh color **48, 41.106, 84.722** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **31, 43.202, 287.807**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 40.998, 84.588**, and **28, 37.817, 83.617** is the 20% darker color. If you saturate the color by 10%, you get **47, 46.068, 83.186**, and if you desaturate by 10%, it is **49, 35.503, 86.156**.

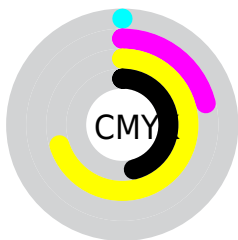
Distribution



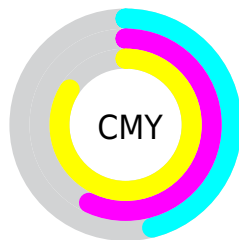
- Red (55%)
- Green (43%)
- Blue (16%)



- Red (33%)
- Yellow (55%)
- Blue (16%)



- Cyan (0%)
- Magenta (21%)
- Yellow (70%)
- Black (46%)



- Cyan (46%)
- Magenta (57%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 41.106, 84.722 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 48, 41.106, 84.722 by changing the saturation by 10% instead.

■ 48, 41.106, 84.722

■ 48, 41.106, 84.722

■ 100, 41.106,
84.722

■ 38, 41.106, 84.722

■ 68, 41.106, 84.722

■ 28, 41.106, 84.722

■ 78, 41.106, 84.722

■ 18, 41.106, 84.722

■ 88, 41.106, 84.722

■ 8, 41.106, 84.722

■ 98, 41.106, 84.722

■ 0, 41.106, 84.722

■ 48, 41.106, 84.722

■ 48, 41.106, 84.722

■ 47, 46.068, 83.186

■ 49, 35.503, 86.156

■ 46, 49.908, 81.448

■ 51, 29.590, 87.525

■ 44, 52.746, 79.556

■ 52, 23.563, 88.851

■ 44, 52.808, 79.521

■ 53, 17.534, 90.141

■ 55, 11.561, 91.393

■ 56, 5.672, 92.597

■ 58, 0.121, 275.181

■ 59, 5.815, 274.964

■ 61, 11.412,
276.034

Harmonies

Complementary

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



48, 41.106, 84.722



31, 43.202, 287.807

Rectangle

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



48, 41.106, 84.722



48, 41.106, 134.722



48, 41.106, 264.722



48, 41.106, 314.722

Sweetspot

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



48, 41.106, 84.725



70, 15.237, 91.189



33, 43.590, 7.183



36, 10.414, 90.888



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



48, 41.106, 84.725



59, 58.976, 82.170



55, 51.708, 113.914



28, 3.239, 92.673



42, 51.058, 79.641



1, 1.497, 93.776

Inverse Universe

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



31, 43.202, 287.807



35, 65.877, 293.022



25, 62.285, 304.960



27, 3.250, 274.940



21, 61.668, 297.442



0, 1.497, 273.783

Previews

White Background



This preview shows how the CIELCh color 48, 41.106, 84.722 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 48, 41.106, 84.722 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 48, 41.106, 84.722

Background



This preview shows how black text looks on a background with the CIELCh color 48, 41.106, 84.722.



This preview shows how white text looks on a background with the CIELCh color 48, 41.106, 84.722.

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

48, 41.106, 84.722

Protanopia

48, 40.171, 95.755

Deuteranopia

48, 41.299, 81.187



Tritanopia
48, 17.833, 6.627

Trichromacy



Original Color
48, 41.106, 84.722

Protanomaly
48, 40.240, 92.277

Deuteranomaly
48, 41.284, 82.643

Tritanomaly
48, 20.407, 55.493

Monochromacy



Original Color
48, 41.106, 84.722

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 15.364, 91.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 41.106, 84.722 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(139, 110, 42)` looks like.

```
.text, #text, p{  
    color:rgb(139, 110, 42)  
}
```

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(139, 110, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 110, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 41.106, 84.722 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(139, 110, 42) }
```

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

```
.border{ border-color:rgb(139, 110, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 110, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 110, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 110, 42);  
box-shadow:4px 4px 4px 4px rgb(139, 110,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 41.106, 84.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 110, 42) }
```

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

```
.background{ background-color: rgb(139,  
110, 42) }
```

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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