

Converting Colors

CIELCh(46, 54.088, 80.871)

Have a look what the booklet for
CIELCh(46, 54.088, 80.871) contains.

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Color

CIELCh(46, 53.834, 81.038)

Conversions

Conversions Part 1

Format	Color
Hex	8E6600
RGB	142, 102, 0
RGB Percent	56%, 40%, 0%
CMY	0.4429, 0.5998, 0.9997
CMYK	0.00, 0.28, 1.00, 0.44
HSL	43°, 100%, 28%
HSV	43°, 100%, 56%
XYZ	15.9220, 15.2687, 2.1100
YIQ	102.3320, 56.5820, -23.2420

Conversions

Conversions Part 2

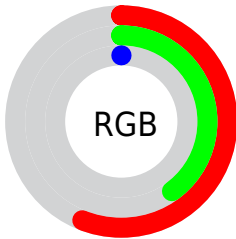
Format	Color
R_{YB}	56, 142, 0
Decimal	9332224
CIE Lab	46.00, 8.39, 53.18
CIE LCh	46, 53.834, 81.038
Yxy	15.2687, 0.4781, 0.4585
Android (android.graphics.Color)	4287522304 (0xFF8E6600)
YUV	102.3320, -50.4497, 34.7888
Hunter-Lab	39.0751, 4.3520, 24.1511

Details

The CIELCh color **46, 53.834, 81.038** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **22, 66.882, 298.503**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.886, 81.201**, and **26, 37.146, 75.727** is the 20% darker color. If you saturate the color by 10%, you get **46, 53.849, 81.032**, and if you desaturate by 10%, it is **47, 51.111, 82.871**.

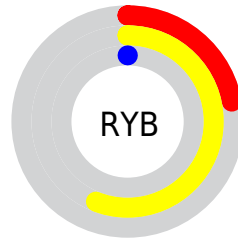
Distribution



Red (56%)

Green (40%)

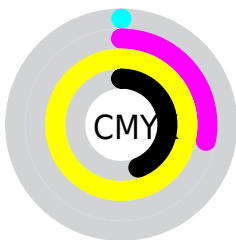
Blue (0%)



Red (22%)

Yellow (56%)

Blue (0%)

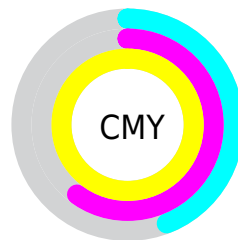


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 53.834, 81.038 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, 53.834, 81.038 by changing the saturation by 10% instead.

■ 46, 53.834, 81.038

■ 46, 53.834, 81.038

■ 100, 53.834,
81.038

■ 36, 53.834, 81.038

■ 66, 53.834, 81.038

■ 26, 53.834, 81.038

■ 76, 53.834, 81.038

■ 16, 53.834, 81.038

■ 86, 53.834, 81.038

■ 6, 53.834, 81.038

■ 96, 53.834, 81.038

■ 0, 53.834, 81.038

■ 46, 53.834, 81.038

■ 46, 53.834, 81.038

■ 46, 53.849, 81.032

■ 47, 51.111, 82.871

■ 48, 47.321, 84.556

■ 49, 42.337, 86.061

■ 51, 36.653, 87.468

■ 52, 30.614, 88.819

■ 53, 24.431, 90.131

■ 55, 18.224, 91.409

■ 56, 12.058, 92.650

■ 58, 5.966, 93.845

Harmonies

Complementary

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



46, 53.834, 81.038



22, 66.882, 298.503

Rectangle

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



46, 53.834, 81.038



46, 53.834, 131.038



46, 53.834, 261.038



46, 53.834, 311.038

Sweetspot

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



46, 53.833, 81.041



69, 22.516, 91.323



29, 56.755, 21.248



35, 15.338, 90.855



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



46, 53.833, 81.041



59, 64.953, 80.499



55, 64.514, 115.366



29, 3.398, 93.933



44, 51.949, 81.149



2, 2.287, 95.029

Inverse Universe

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



22, 66.882, 298.503



29, 82.536, 299.212



17, 84.863, 307.556



28, 3.415, 276.185



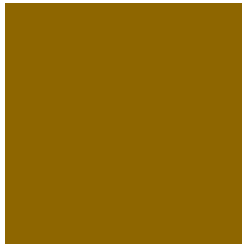
21, 64.236, 298.360



1, 2.287, 275.035

Previews

White Background



This preview shows how the CIELCh color 46, 53.834, 81.038 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, 53.834, 81.038 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, 53.834, 81.038

Background



This preview shows how black text looks on a background with the CIELCh color 46, 53.834, 81.038.



This preview shows how white text looks on a background with the CIELCh color 46, 53.834, 81.038.

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, 53.834, 81.038

Protanopia

46, 50.791, 95.844

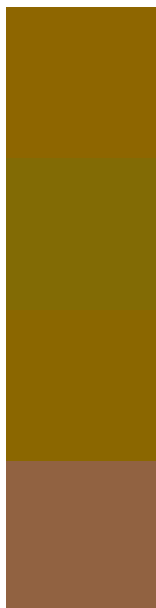
Deuteranopia

46, 53.266, 84.267



Tritanopia
46, 22.707, 12.239

Trichromacy



Original Color
46, 53.834, 81.038

Protanomaly
46, 51.398, 90.169

Deuteranomaly
46, 53.331, 83.130

Tritanomaly
46, 30.452, 59.976

Monochromacy



Original Color
46, 53.834, 81.038

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 23.086, 89.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 53.834, 81.038 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(142, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 102, 0)  
}
```

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(142, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 102, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 53.834, 81.038 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(142, 102, 0) }
```

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

```
.border{ border-color:rgb(142, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 102,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 53.834, 81.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 102, 0) }
```

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

```
.background{ background-color: rgb(142,  
102, 0) }
```

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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