

Converting Colors

CIELCh(46, 41.706, 77.762)

Have a look what the booklet for
CIELCh(46, 41.706, 77.762) contains.

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Color

CIELCh(46, 41.580, 77.994)

Conversions

Conversions Part 1

Format	Color
Hex	8C6626
RGB	140, 102, 38
RGB Percent	55%, 40%, 15%
CMY	0.4502, 0.5993, 0.8503
CMYK	0.00, 0.27, 0.73, 0.45
HSL	38°, 57%, 35%
HSV	38°, 73%, 55%
XYZ	15.9676, 15.2687, 3.9533
YIQ	106.0660, 43.1920, -11.8480

Conversions

Conversions Part 2

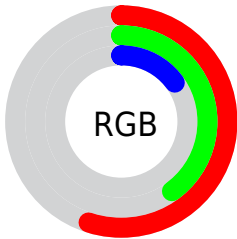
Format	Color
R_{YB}	99, 140, 38
Decimal	9201190
CIE _{Lab}	46.00, 8.65, 40.67
CIE _{LCh}	46, 41.580, 77.994
Yxy	15.2687, 0.4538, 0.4339
Android (android.graphics.Color)	4287391270 (0xFF8C6626)
YUV	106.0660, -33.5565, 29.7601
Hunter-Lab	39.0751, 4.5604, 21.3542

Details

The CIELCh color **46, 41.580, 77.994** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **33, 40.687, 283.571**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 41.542, 77.886**, and **26, 36.754, 75.374** is the 20% darker color. If you saturate the color by 10%, you get **45, 46.583, 76.280**, and if you desaturate by 10%, it is **48, 35.960, 79.533**.

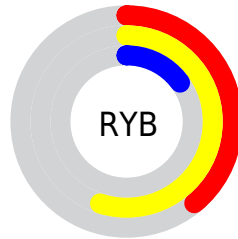
Distribution



Red (55%)

Green (40%)

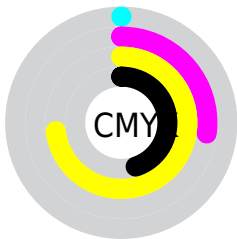
Blue (15%)



Red (39%)

Yellow (55%)

Blue (15%)

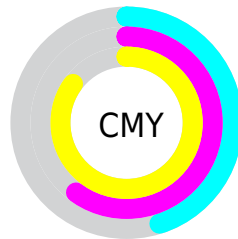


Cyan (0%)

Magenta (27%)

Yellow (73%)

Black (45%)



Cyan (45%)

Magenta (60%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 41.580, 77.994 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, 41.580, 77.994 by changing the saturation by 10% instead.

■ 46, 41.580, 77.994

■ 46, 41.580, 77.994

■ 100, 41.580,
77.994

■ 36, 41.580, 77.994

■ 66, 41.580, 77.994

■ 26, 41.580, 77.994

■ 76, 41.580, 77.994

■ 16, 41.580, 77.994

■ 86, 41.580, 77.994

■ 6, 41.580, 77.994

■ 96, 41.580, 77.994

■ 0, 41.580, 77.994

■ 46, 41.580, 77.994

■ 46, 41.580, 77.994

■ 45, 46.583, 76.280

■ 48, 35.960, 79.533

■ 43, 50.427, 74.225

■ 49, 30.087, 80.973

42, 52.871, 72.709

51, 24.167, 82.356

52, 18.309, 83.698

54, 12.564, 85.001

56, 6.955, 86.259

58, 1.486, 87.380

60, 3.846, 268.761

62, 9.050, 269.870

Harmonies

Complementary

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



46, 41.580, 77.994



33, 40.687, 283.571

Rectangle

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



46, 41.580, 77.994



46, 41.580, 127.994



46, 41.580, 257.994



46, 41.580, 307.994

Sweetspot

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



46, 41.580, 77.997



69, 14.948, 85.041



33, 45.810, 1.532



36, 10.154, 84.739



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, 41.580, 77.997



56, 59.241, 75.091



56, 53.147, 109.802



28, 3.012, 86.699



40, 50.775, 72.887



1, 1.387, 87.849

Inverse Universe

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



33, 40.687, 283.571



37, 60.814, 289.337



24, 65.781, 303.762



27, 3.000, 269.063



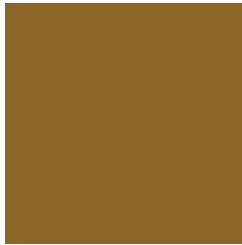
23, 54.780, 293.135



0, 1.387, 267.857

Previews

White Background



This preview shows how the CIELCh color 46, 41.580, 77.994 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 46, 41.580, 77.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

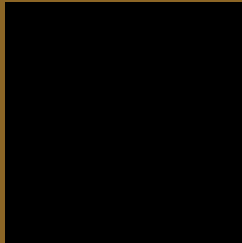
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 41.580, 77.994

Background



This preview shows how black text looks on a background with the CIELCh color 46, 41.580, 77.994.



This preview shows how white text looks on a background with the CIELCh color 46, 41.580, 77.994.

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, 41.580, 77.994

Protanopia

46, 39.319, 95.425

Deuteranopia

46, 41.211, 81.505



Tritanopia
46, 20.951, 11.064

Trichromacy



Original Color
46, 41.580, 77.994

Protanomaly
46, 39.982, 89.060

Deuteranomaly
46, 41.255, 80.039

Tritanomaly
46, 24.070, 48.925

Monochromacy



Original Color
46, 41.580, 77.994

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 15.436, 85.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 41.580, 77.994 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(140, 102, 38)` looks like.

```
.text, #text, p{  
    color:rgb(140, 102, 38)  
}
```

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(140, 102, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 102, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 41.580, 77.994 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(140, 102, 38) }
```

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

```
.border{ border-color:rgb(140, 102, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 102, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 102, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 102, 38);  
box-shadow:4px 4px 4px 4px rgb(140, 102,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 41.580, 77.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 102, 38) }
```

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

```
.background{ background-color: rgb(140,  
102, 38) }
```

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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