

Converting Colors

CIELCh(46, 36.495, 88.954)

Have a look what the booklet for
CIELCh(46, 36.495, 88.954) contains.

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Color

CIELCh(46, 36.495, 88.954)

Conversions

Conversions Part 1

Format	Color
Hex	806B2E
RGB	128, 107, 46
RGB Percent	50%, 42%, 18%
CMY	0.4985, 0.5808, 0.8200
CMYK	0.00, 0.16, 0.64, 0.50
HSL	45°, 47%, 34%
HSV	45°, 64%, 50%
XYZ	14.6212, 15.2687, 4.7504
YIQ	106.3250, 32.0970, -14.5190

Conversions

Conversions Part 2

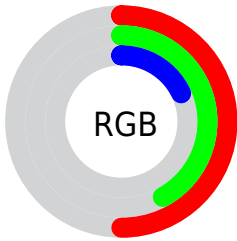
Format	Color
R_{YB}	74, 128, 46
Decimal	8416046
CIE _{Lab}	46.00, 0.67, 36.49
CIE _{LCh}	46, 36.495, 88.954
Yxy	15.2687, 0.4221, 0.4408
Android (android.graphics.Color)	4286606126 (0xFF806B2E)
YUV	106.3250, -29.7402, 19.0090
Hunter-Lab	39.0751, -1.5900, 20.1447

Details

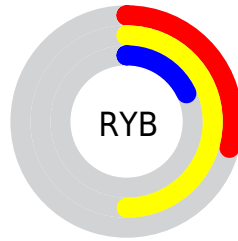
The CIELCh color **46, 36.495, 88.954** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **30, 39.086, 288.648**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 36.676, 88.926**, and **26, 35.249, 88.613** is the 20% darker color. If you saturate the color by 10%, you get **45, 41.511, 87.592**, and if you desaturate by 10%, it is **47, 31.018, 90.270**.

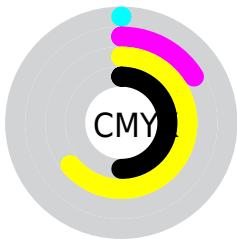
Distribution



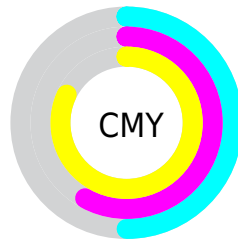
- Red (50%)
- Green (42%)
- Blue (18%)



- Red (29%)
- Yellow (50%)
- Blue (18%)



- Cyan (0%)
- Magenta (16%)
- Yellow (64%)
- Black (50%)



- Cyan (50%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 36.495, 88.954 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, 36.495, 88.954 by changing the saturation by 10% instead.

46, 36.495, 88.954

46, 36.495, 88.954

100, 36.495,
88.954

36, 36.495, 88.954

66, 36.495, 88.954

26, 36.495, 88.954

76, 36.495, 88.954

16, 36.495, 88.954

86, 36.495, 88.954

6, 36.495, 88.954

96, 36.495, 88.954

0, 36.495, 88.954

46, 36.495, 88.954

46, 36.495, 88.954

45, 41.511, 87.592

47, 31.018, 90.270

44, 45.704, 86.134

48, 25.317, 91.549

43, 48.657, 84.512

49, 19.532, 92.798

42, 50.285, 83.580

51, 13.744, 94.017

52, 7.995, 95.199

53, 2.309, 96.308

54, 3.304, 277.519

56, 8.842, 278.560

57, 14.304,
279.574

Harmonies

Complementary

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



46, 36.495, 88.954



30, 39.086, 288.648

Rectangle

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



46, 36.495, 88.954



46, 36.495, 138.954



46, 36.495, 268.954



46, 36.495, 318.954

Sweetspot

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



46, 36.495, 88.957



65, 13.355, 94.574



32, 37.762, 8.013



34, 9.276, 94.285



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 36.495, 88.957



57, 52.682, 86.927



50, 45.423, 115.626



26, 3.175, 95.772



42, 50.178, 83.586



0, 0.000, 0.000

Inverse Universe

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



30, 39.086, 288.648



33, 59.291, 292.967



26, 53.204, 305.008



25, 3.197, 277.936



18, 63.475, 299.361



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 36.495, 88.954 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, 36.495, 88.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

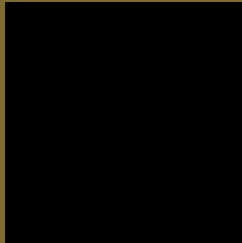
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 36.495, 88.954

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.495, 88.954.



This preview shows how white text looks on a background with the CIELCh color 46, 36.495, 88.954.

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, 36.495, 88.954

Protanopia

46, 35.832, 95.871

Deuteranopia

46, 36.573, 80.979



Tritanopia
46, 14.634, 2.602

Trichromacy



Original Color
46, 36.495, 88.954

Protanomaly
46, 35.778, 92.718

Deuteranomaly
46, 36.161, 84.029

Tritanomaly
46, 16.737, 59.562

Monochromacy



Original Color
46, 36.495, 88.954

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 13.526, 93.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.495, 88.954 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(128, 107, 46)` looks like.

```
.text, #text, p{  
    color:rgb(128, 107, 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(128, 107, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 107, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.495, 88.954 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(128, 107, 46) }
```

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

```
.border{ border-color:rgb(128, 107, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 107, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 107, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 107, 46);  
box-shadow:4px 4px 4px 4px rgb(128, 107,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.495, 88.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 107, 46) }
```

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

```
.background{ background-color: rgb(128,  
107, 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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