

Converting Colors

CIELCh(46, 8.428, 64.636)

Have a look what the booklet for
CIELCh(46, 8.428, 64.636) contains.

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Color

CIELCh(46, 8.498, 63.843)

Conversions

Conversions Part 1

Format	Color
Hex	786A60
RGB	120, 106, 96
RGB Percent	47%, 42%, 38%
CMY	0.5277, 0.5827, 0.6219
CMYK	0.00, 0.12, 0.20, 0.53
HSL	25°, 11%, 43%
HSV	25°, 20%, 47%
XYZ	15.1313, 15.2687, 13.3140
YIQ	109.0460, 11.5540, -0.1420

Conversions

Conversions Part 2

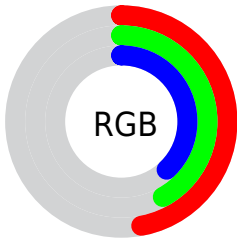
Format	Color
R_{YB}	120, 113, 96
Decimal	7891552
CIE Lab	46.00, 3.75, 7.63
CIE LCh	46, 8.498, 63.843
Yxy	15.2687, 0.3461, 0.3493
Android (android.graphics.Color)	4286081632 (0xFF786A60)
YUV	109.0460, -6.4317, 9.6067
Hunter-Lab	39.0751, 0.7402, 7.1508

Details

The CIELCh color $46, 8.498, 63.843$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 7.873, 248.362$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 8.530, 65.013$, and $26, 8.352, 64.423$ is the 20% darker color. If you saturate the color by 10%, you get $44, 13.141, 62.872$, and if you desaturate by 10%, it is $48, 4.116, 64.827$.

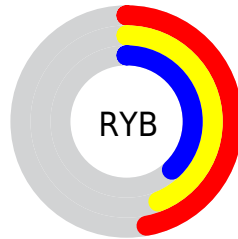
Distribution



Red (47%)

Green (42%)

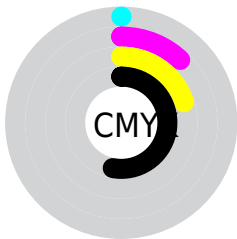
Blue (38%)



Red (47%)

Yellow (44%)

Blue (38%)

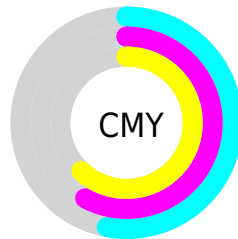


Cyan (0%)

Magenta (12%)

Yellow (20%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 8.498, 63.843 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, 8.498, 63.843 by changing the saturation by 10% instead.

 46, 8.498, 63.843  46, 8.498, 63.843

 100, 8.498, 63.843  36, 8.498, 63.843


 66, 8.498, 63.843  26, 8.498, 63.843

 76, 8.498, 63.843  16, 8.498, 63.843

 86, 8.498, 63.843  6, 8.498, 63.843

 96, 8.498, 63.843  0, 8.498, 63.843

 46, 8.498, 63.843  46, 8.498, 63.843

 44, 13.141, 62.872  48, 4.116, 64.827

 42, 18.060, 61.907  51, 0.027, 257.032

 39, 23.257, 60.969  53, 3.954, 246.997

■ 37, 28.708, 60.053

■ 55, 7.688, 247.954

■ 35, 34.332, 59.130

■ 58, 11.253,
248.915

■ 34, 39.944, 58.116

■ 60, 14.667,
249.857

■ 32, 45.162, 56.820

■ 30, 50.123, 55.606

■ 62, 17.949,
250.772

■ 30, 50.151, 55.601

■ 65, 21.114,
251.657

■ 67, 24.175,
252.509

Harmonies

Complementary

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



46, 8.498, 63.843



46, 7.873, 248.362

Rectangle

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



46, 8.498, 63.843



46, 8.498, 113.843



46, 8.498, 243.843



46, 8.498, 293.843

Sweetspot

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



46, 8.498, 63.855



62, 3.028, 65.166



44, 12.964, 340.925



32, 2.027, 65.125



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 8.498, 63.855



57, 12.782, 63.398



49, 12.837, 104.620



25, 2.357, 64.907



31, 51.665, 55.531



62, 88.560, 53.503

Inverse Universe

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



46, 7.873, 248.362



57, 11.606, 249.055



42, 13.307, 288.856



24, 2.284, 246.981



30, 34.955, 272.775



60, 61.492, 275.630

Previews

White Background



This preview shows how the CIELCh color 46, 8.498, 63.843 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, 8.498, 63.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

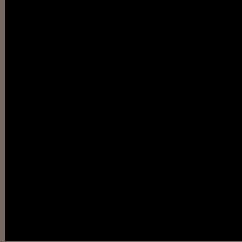
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 8.498, 63.843

Background



This preview shows how black text looks on a background with the CIELCh color 46, 8.498, 63.843.



This preview shows how white text looks on a background with the CIELCh color 46, 8.498, 63.843.

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, 8.498, 63.843

Protanopia

46, 6.838, 91.088

Deuteranopia

46, 9.540, 49.808



Tritanopia
46, 8.812, 347.995

Trichromacy



Original Color
46, 8.498, 63.843

Protanomaly
46, 7.358, 81.442

Deuteranomaly
46, 9.119, 55.598

Tritanomaly
46, 6.739, 15.174

Monochromacy



Original Color
46, 8.498, 63.843

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.146, 68.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 8.498, 63.843 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(120, 106, 96)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 96)  
}
```

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(120, 106, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 8.498, 63.843 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(120, 106, 96) }
```

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

```
.border{ border-color:rgb(120, 106, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 96);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 8.498, 63.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 96) }
```

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

```
.background{ background-color: rgb(120,  
106, 96) }
```

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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