

Converting Colors

CIELCh(46, 22.413, 69.215)

Have a look what the booklet for
CIELCh(46, 22.413, 69.215) contains.

CIELCh(46, 22.413, 69.215)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 22.413, 69.215)

Conversions

Conversions Part 1

Format	Color
Hex	85674A
RGB	133, 103, 74
RGB Percent	52%, 40%, 29%
CMY	0.4772, 0.5949, 0.7087
CMYK	0.00, 0.23, 0.44, 0.48
HSL	29°, 28%, 41%
HSV	29°, 44%, 52%
XYZ	15.8471, 15.2687, 8.6395
YIQ	108.6640, 27.1890, -2.6590

Conversions

Conversions Part 2

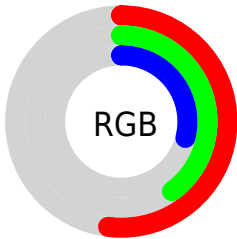
Format	Color
RYB	133, 131, 74
Decimal	8742730
CIELab	46.00, 7.95, 20.95
CIELCh	46, 22.413, 69.215
Yxy	15.2687, 0.3986, 0.3841
Android (android.graphics.Color)	4286932810 (0xFF85674A)
YUV	108.6640, -17.0894, 21.3427
Hunter-Lab	39.0751, 4.0099, 14.2436

Details

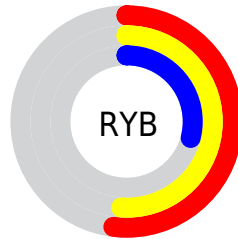
The CIELCh color **46, 22.413, 69.215** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **43, 19.689, 262.023**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 22.289, 69.570**, and **26, 22.790, 68.913** is the 20% darker color. If you saturate the color by 10%, you get **44, 28.092, 68.008**, and if you desaturate by 10%, it is **48, 16.950, 70.421**.

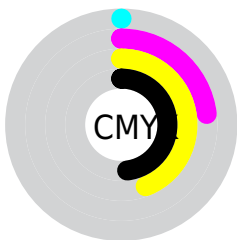
Distribution



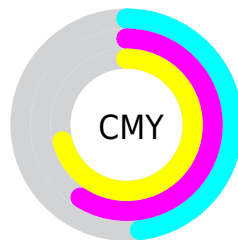
- Red (52%)
- Green (40%)
- Blue (29%)



- Red (52%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (23%)
- Yellow (44%)
- Black (48%)



- Cyan (48%)
- Magenta (59%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 22.413, 69.215 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, 22.413, 69.215 by changing the saturation by 10% instead.

■ 46, 22.413, 69.215 ■ 46, 22.413, 69.215

■ 100, 22.413, 69.215 ■ 36, 22.413, 69.215

■ 66, 22.413, 69.215 ■ 26, 22.413, 69.215

■ 76, 22.413, 69.215 ■ 16, 22.413, 69.215

■ 86, 22.413, 69.215 ■ 6, 22.413, 69.215

■ 96, 22.413, 69.215 ■ 0, 22.413, 69.215

■ 46, 22.413, 69.215 ■ 46, 22.413, 69.215

■ 44, 28.092, 68.008 ■ 48, 16.950, 70.421

■ 42, 33.916, 66.765 ■ 50, 11.724, 71.613

■ 40, 39.725, 65.436

■ 52, 6.736, 72.785

■ 38, 45.197, 63.894

■ 55, 1.971, 73.857

■ 37, 49.815, 61.928

■ 57, 2.588, 255.255

■ 36, 52.553, 61.003

■ 59, 6.961, 256.307

■ 62, 11.170,
257.377

■ 64, 15.231,
258.417

■ 66, 19.161,
259.420

Harmonies

Complementary

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



46, 22.413, 69.215



43, 19.689, 262.023

Rectangle

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



46, 22.413, 69.215



46, 22.413, 119.215



46, 22.413, 249.215



46, 22.413, 299.215

Sweetspot

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



46, 22.413, 69.220



67, 7.582, 72.898



40, 30.033, 347.005



34, 5.307, 72.676



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 22.413, 69.220



57, 33.992, 68.019



54, 32.518, 105.348



27, 2.616, 73.368



35, 51.596, 61.101



0, 0.616, 74.487

Inverse Universe

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



43, 19.689, 262.023



52, 28.936, 264.616



34, 36.273, 295.445



26, 2.561, 255.687



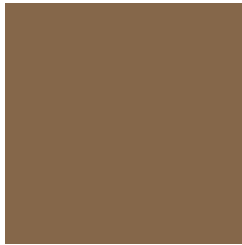
28, 41.863, 281.751



0, 0.616, 254.500

Previews

White Background



This preview shows how the CIELCh color 46, 22.413, 69.215 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, 22.413, 69.215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

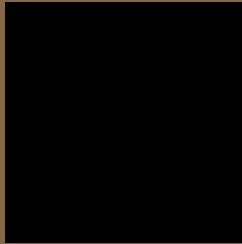
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 22.413, 69.215

Background



This preview shows how black text looks on a background with the CIELCh color 46, 22.413, 69.215.



This preview shows how white text looks on a background with the CIELCh color 46, 22.413, 69.215.

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, 22.413, 69.215

Protanopia

46, 19.262, 95.255

Deuteranopia

46, 21.962, 72.827



Tritanopia
46, 16.296, 4.856

Trichromacy



Original Color
46, 22.413, 69.215

Protanomaly
46, 19.955, 84.562

Deuteranomaly
46, 22.251, 71.866

Tritanomaly
46, 15.463, 34.304

Monochromacy



Original Color
46, 22.413, 69.215

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.072, 73.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 22.413, 69.215 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(133, 103, 74)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 74)  
}
```

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(133, 103, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 22.413, 69.215 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(133, 103, 74) }
```

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

```
.border{ border-color:rgb(133, 103, 74) }
```

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

Here you see how a box with a 4 pixel rgb(133, 103, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 74);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 22.413, 69.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 74) }
```

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

```
.background{ background-color: rgb(133,  
103, 74) }
```

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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