

Converting Colors

CIELCh(46, 22.511, 104.937)

Have a look what the booklet for
CIELCh(46, 22.511, 104.937)
contains.

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Color

CIELCh(46, 22.774, 104.677)

Conversions

Conversions Part 1

Format	Color
Hex	716F48
RGB	113, 111, 72
RGB Percent	44%, 44%, 28%
CMY	0.5579, 0.5657, 0.7186
CMYK	0.00, 0.02, 0.36, 0.56
HSL	57°, 22%, 36%
HSV	57°, 36%, 44%
XYZ	13.5925, 15.2687, 8.3189
YIQ	107.1520, 13.7110, -11.7050

Conversions

Conversions Part 2

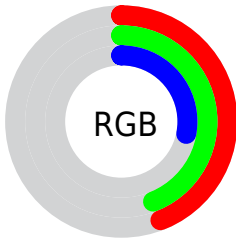
Format	Color
RYB	74, 113, 72
Decimal	7434056
CIELab	46.00, -5.77, 22.03
CIElCh	46, 22.774, 104.677
Yxy	15.2687, 0.3656, 0.4107
Android (android.graphics.Color)	4285624136 (0xFF716F48)
YUV	107.1520, -17.3299, 5.1287
Hunter-Lab	39.0751, -6.2893, 14.7300

Details

The CIELCh color $46, 22.774, 104.677$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 24.613, 292.716$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 22.999, 105.663$, and $26, 22.677, 104.145$ is the 20% darker color. If you saturate the color by 10%, you get $46, 28.787, 103.736$, and if you desaturate by 10%, it is $46, 16.596, 105.643$.

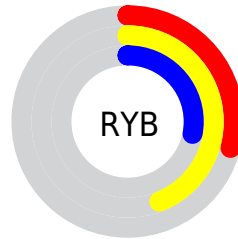
Distribution



Red (44%)

Green (44%)

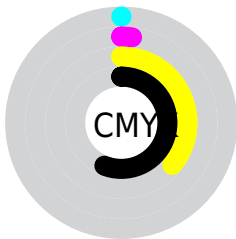
Blue (28%)



Red (29%)

Yellow (44%)

Blue (28%)

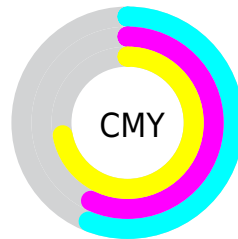


Cyan (0%)

Magenta (2%)

Yellow (36%)

Black (56%)



Cyan (56%)


Magenta (57%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 22.774, 104.677 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, 22.774, 104.677 by changing the saturation by 10% instead.


 46, 22.774,
104.677


 46, 22.774,
104.677


 100, 22.774,
104.677


 36, 22.774,
104.677

 66, 22.774,
104.677


 26, 22.774,
104.677

 76, 22.774,
104.677

 16, 22.774,
104.677

 86, 22.774,
104.677

 6, 22.774, 104.677

 96, 22.774,
104.677

 0, 22.774, 104.677

 46, 22.774,

 46, 22.774,

104.677

104.677

■ 46, 28.787,
103.736

■ 46, 16.596,
105.643

■ 45, 34.514,
102.827

■ 47, 10.325,
106.606

■ 45, 39.780,
101.978

■ 47, 4.011, 107.554

■ 45, 44.339,
101.215

■ 48, 2.314, 288.529

■ 48, 8.631, 289.422

■ 45, 47.890,
100.562

■ 49, 14.925,
290.299

■ 44, 50.387,
100.019

■ 49, 21.189,
291.141

■ 44, 51.302, 99.825

■ 50, 27.414,
291.946

■ 51, 33.596,

Harmonies

Complementary

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



46, 22.774, 104.677



33, 24.613, 292.716

Rectangle

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



46, 22.774, 104.677



46, 22.774, 154.677



46, 22.774, 284.677



46, 22.774, 334.677

Sweetspot

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



46, 22.775, 104.681



60, 8.559, 107.091



35, 18.831, 18.716



31, 5.795, 106.995



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 22.775, 104.681



58, 33.701, 103.850



45, 25.298, 125.638



23, 3.539, 107.307



47, 53.583, 99.804



91, 91.338, 99.622

Inverse Universe

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



33, 24.613, 292.716



38, 37.332, 294.234



34, 26.720, 309.134



21, 3.605, 289.076



12, 73.920, 305.314



32, 128.830, 305.878

Previews

White Background



This preview shows how the CIELCh color 46, 22.774, 104.677 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, 22.774, 104.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

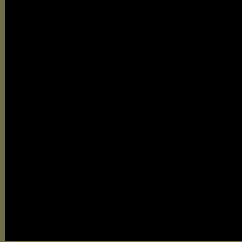
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

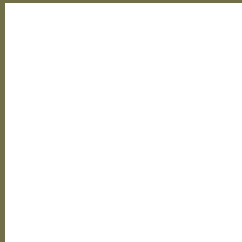
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 22.774, 104.677

Background



This preview shows how black text looks on a background with the CIELCh color 46, 22.774, 104.677.



This preview shows how white text looks on a background with the CIELCh color 46, 22.774, 104.677.

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, 22.774, 104.677

Protanopia

46, 22.655, 96.471

Deuteranopia

46, 22.185, 74.513



Tritanopia
46, 6.841, 336.315

Trichromacy



Original Color
46, 22.774, 104.677

Protanomaly
46, 22.962, 100.063

Deuteranomaly
46, 21.269, 84.344

Tritanomaly
46, 6.321, 76.758

Monochromacy



Original Color
46, 22.774, 104.677

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 8.303, 106.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 22.774, 104.677 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(113, 111, 72)` looks like.

```
.text, #text, p{  
    color:rgb(113, 111, 72)  
}
```

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(113, 111, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 111, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 22.774, 104.677 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(113, 111, 72) }
```

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

```
.border{ border-color:rgb(113, 111, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 111, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 111, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 111, 72);  
box-shadow:4px 4px 4px 4px rgb(113, 111,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 22.774, 104.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 111, 72) }
```

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

```
.background{ background-color: rgb(113,  
111, 72) }
```

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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