

Converting Colors

CIELCh(48, 22.252, 73.496)

Have a look what the booklet for
CIELCh(48, 22.252, 73.496) contains.

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Color

CIELCh(48, 22.248, 73.726)

Conversions

Conversions Part 1

Format	Color
Hex	886D4E
RGB	136, 109, 78
RGB Percent	53%, 43%, 31%
CMY	0.4657, 0.5716, 0.6933
CMYK	0.00, 0.20, 0.43, 0.47
HSL	32°, 27%, 42%
HSV	32°, 43%, 53%
XYZ	17.0696, 16.7945, 9.5911
YIQ	113.5390, 26.0430, -3.9170

Conversions

Conversions Part 2

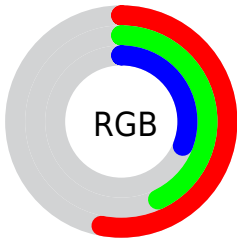
Format	Color
R_{YB}	129, 136, 78
Decimal	8940878
CIE _{Lab}	48.00, 6.23, 21.36
CIE _{LCh}	48, 22.248, 73.726
Yxy	16.7945, 0.3928, 0.3865
Android (android.graphics.Color)	4287130958 (0xFF886D4E)
YUV	113.5390, -17.5207, 19.6983
Hunter-Lab	40.9810, 2.6326, 14.8107

Details

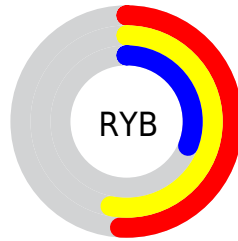
The CIELCh color $48, 22.248, 73.726$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $44, 20.291, 266.308$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 22.474, 72.881$, and $28, 22.441, 73.917$ is the 20% darker color. If you saturate the color by 10%, you get $46, 27.978, 72.424$, and if you desaturate by 10%, it is $50, 16.694, 75.013$.

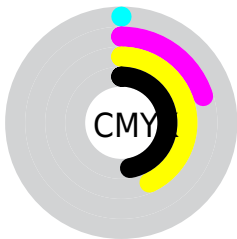
Distribution



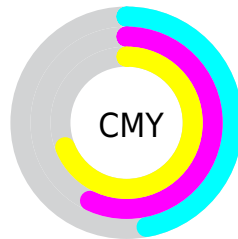
- Red (53%)
- Green (43%)
- Blue (31%)



- Red (51%)
- Yellow (53%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (43%)
- Black (47%)



- Cyan (47%)
- Magenta (57%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 22.248, 73.726 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 48, 22.248, 73.726 by changing the saturation by 10% instead.

■ 48, 22.248, 73.726

■ 48, 22.248, 73.726

■ 100, 22.248,
73.726

■ 38, 22.248, 73.726

■ 68, 22.248, 73.726

■ 28, 22.248, 73.726

■ 78, 22.248, 73.726

■ 18, 22.248, 73.726

■ 88, 22.248, 73.726

■ 8, 22.248, 73.726

■ 98, 22.248, 73.726

■ 0, 22.248, 73.726

■ 48, 22.248, 73.726

■ 48, 22.248, 73.726

■ 46, 27.978, 72.424

■ 50, 16.694, 75.013

■ 44, 33.809, 71.074

■ 52, 11.341, 76.272

42, 39.580, 69.635

54, 6.195, 77.495

41, 44.978, 67.999

56, 1.245, 78.544

39, 49.471, 65.962

58, 3.523, 260.004

38, 52.621, 64.502

61, 8.125, 261.105

63, 12.579,
262.194

65, 16.900,
263.246

67, 21.103,
264.253

Harmonies

Complementary

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



48, 22.248, 73.726



44, 20.291, 266.308

Rectangle

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



48, 22.248, 73.726



48, 22.248, 123.726



48, 22.248, 253.726



48, 22.248, 303.726

Sweetspot

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



48, 22.248, 73.732



68, 7.894, 77.412



41, 28.641, 349.802



36, 5.589, 77.174



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 22.248, 73.732



59, 33.406, 72.489



55, 32.385, 107.756



28, 2.782, 77.898



37, 51.579, 64.604



1, 1.273, 79.053

Inverse Universe

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



44, 20.291, 266.308



52, 29.827, 268.723



36, 36.047, 296.720



27, 2.739, 260.284



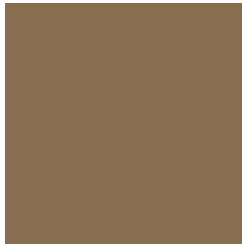
27, 46.249, 285.976



1, 1.274, 259.065

Previews

White Background



This preview shows how the CIELCh color 48, 22.248, 73.726 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 48, 22.248, 73.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

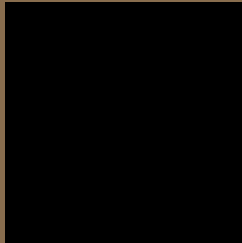
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 22.248, 73.726

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.248, 73.726.



This preview shows how white text looks on a background with the CIELCh color 48, 22.248, 73.726.

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

48, 22.248, 73.726

Protanopia

48, 20.243, 95.881

Deuteranopia

48, 22.248, 73.726



Tritanopia
48, 15.320, 3.662

Trichromacy



Original Color
48, 22.248, 73.726

Protanomaly
48, 20.692, 86.899

Deuteranomaly
48, 22.248, 73.726

Tritanomaly
48, 14.608, 37.123

Monochromacy



Original Color
48, 22.248, 73.726

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.751, 75.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.248, 73.726 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(136, 109, 78)` looks like.

```
.text, #text, p{  
    color:rgb(136, 109, 78)  
}
```

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(136, 109, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 109, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.248, 73.726 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(136, 109, 78) }
```

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

```
.border{ border-color:rgb(136, 109, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 109, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 109, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 109, 78);  
box-shadow:4px 4px 4px 4px rgb(136, 109,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.248, 73.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 109, 78) }
```

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

```
.background{ background-color: rgb(136,  
109, 78) }
```

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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