

Converting Colors

CIELCh(46, 21.182, 92.958)

Have a look what the booklet for
CIELCh(46, 21.182, 92.958) contains.

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Color

CIELCh(46, 21.331, 92.249)

Conversions

Conversions Part 1

Format	Color
Hex	786C49
RGB	120, 108, 73
RGB Percent	47%, 42%, 29%
CMY	0.5285, 0.5755, 0.7129
CMYK	0.00, 0.10, 0.39, 0.53
HSL	45°, 24%, 38%
HSV	45°, 39%, 47%
XYZ	14.3765, 15.2687, 8.5313
YIQ	107.5980, 18.3870, -8.3410

Conversions

Conversions Part 2

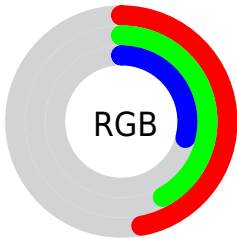
Format	Color
RYB	89, 120, 73
Decimal	7892041
CIELab	46.00, -0.84, 21.31
CIELCh	46, 21.331, 92.249
Yxy	15.2687, 0.3766, 0.3999
Android (android.graphics.Color)	4286082121 (0xFF786C49)
YUV	107.5980, -17.0568, 10.8766
Hunter-Lab	39.0751, -2.7081, 14.4077

Details

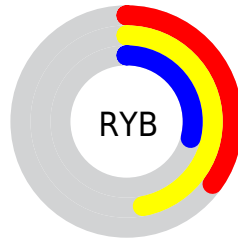
The CIELCh color **46, 21.331, 92.249** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 21.910, 282.714**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 21.211, 91.940**, and **26, 21.585, 93.061** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.808, 90.999**, and if you desaturate by 10%, it is **47, 15.821, 93.479**.

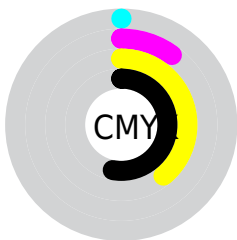
Distribution



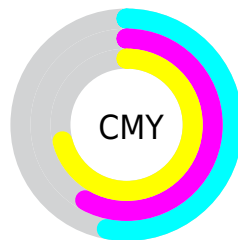
- Red (47%)
- Green (42%)
- Blue (29%)



- Red (35%)
- Yellow (47%)
- Blue (29%)



- Cyan (0%)
- Magenta (10%)
- Yellow (39%)
- Black (53%)



- Cyan (53%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 21.331, 92.249 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, 21.331, 92.249 by changing the saturation by 10% instead.

■ 46, 21.331, 92.249 ■ 46, 21.331, 92.249

■ 100, 21.331, 92.249 ■ 36, 21.331, 92.249

■ 66, 21.331, 92.249 ■ 26, 21.331, 92.249

■ 76, 21.331, 92.249 ■ 16, 21.331, 92.249

■ 86, 21.331, 92.249 ■ 6, 21.331, 92.249

■ 96, 21.331, 92.249 ■ 0, 21.331, 92.249

■ 46, 21.331, 92.249 ■ 46, 21.331, 92.249

■ 45, 26.808, 90.999 ■ 47, 15.821, 93.479

■ 44, 32.152, 89.715 ■ 48, 10.330, 94.672

■ 43, 37.193, 88.391

■ 49, 4.890, 95.820

■ 42, 41.657, 87.001

■ 51, 0.485, 277.240

■ 41, 45.152, 85.489

■ 52, 5.790, 278.075

■ 40, 47.869, 83.906

■ 53, 11.024,
279.101

■ 40, 48.141, 83.776

■ 54, 16.187,
280.088

■ 56, 21.284,
281.029

■ 57, 26.316,
281.924

Harmonies

Complementary

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



46, 21.331, 92.249



37, 21.910, 282.714

Rectangle

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



46, 21.331, 92.249



46, 21.331, 142.249



46, 21.331, 272.249



46, 21.331, 322.249

Sweetspot

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



46, 21.332, 92.254



62, 7.977, 95.461



37, 21.858, 2.787



32, 5.336, 95.348



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, 21.332, 92.254



58, 31.683, 91.121



49, 27.428, 116.868



25, 3.070, 95.823



42, 49.471, 83.687



80, 82.944, 82.474

Inverse Universe

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



37, 21.910, 282.714



44, 32.899, 284.610



34, 29.832, 302.321



24, 3.091, 277.970



18, 62.485, 299.322



39, 110.722, 300.967

Previews

White Background



This preview shows how the CIELCh color 46, 21.331, 92.249 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, 21.331, 92.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

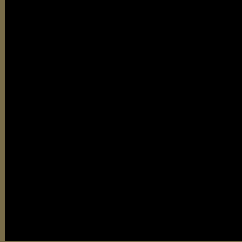
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 21.331, 92.249

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.331, 92.249.



This preview shows how white text looks on a background with the CIELCh color 46, 21.331, 92.249.

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, 21.331, 92.249

Protanopia

46, 20.962, 95.933

Deuteranopia

46, 21.680, 73.815



Tritanopia
46, 9.903, 352.125

Trichromacy



Original Color
46, 21.331, 92.249

Protanomaly
46, 21.064, 94.706

Deuteranomaly
46, 21.145, 81.559

Tritanomaly
46, 9.156, 51.149

Monochromacy



Original Color
46, 21.331, 92.249

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.882, 96.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.331, 92.249 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, 108, 73)` looks like.

```
.text, #text, p{  
    color:rgb(120, 108, 73)  
}
```

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, 108, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 108, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.331, 92.249 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, 108, 73) }
```

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

```
.border{ border-color:rgb(120, 108, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 108, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 108, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 108, 73);  
box-shadow:4px 4px 4px 4px rgb(120, 108,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.331, 92.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 108, 73) }
```

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

```
.background{ background-color: rgb(120,  
108, 73) }
```

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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