

Converting Colors

CIELCh(47, 20.772, 80.792)

Have a look what the booklet for
CIELCh(47, 20.772, 80.792) contains.

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Color

CIELCh(47, 20.765, 79.936)

Conversions

Conversions Part 1

Format	Color
Hex	816C4D
RGB	129, 108, 77
RGB Percent	51%, 42%, 30%
CMY	0.4929, 0.5753, 0.6969
CMYK	0.00, 0.16, 0.40, 0.49
HSL	36°, 25%, 41%
HSV	36°, 40%, 51%
XYZ	15.8446, 16.0195, 9.3306
YIQ	110.7450, 22.4670, -5.1890

Conversions

Conversions Part 2

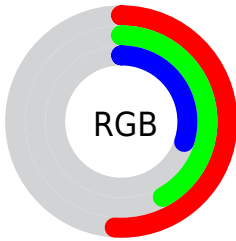
Format	Color
RYB	112, 129, 77
Decimal	8481869
CIELab	47.00, 3.63, 20.45
CIElCh	47, 20.765, 79.936
Yxy	16.0195, 0.3846, 0.3889
Android (android.graphics.Color)	4286671949 (0xFF816C4D)
YUV	110.7450, -16.6363, 16.0096
Hunter-Lab	40.0243, 0.6210, 14.1951

Details

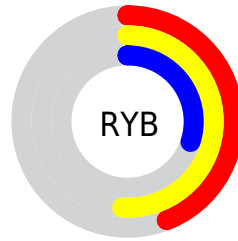
The CIELCh color **47, 20.765, 79.936** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **41, 19.823, 271.695**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 20.848, 79.422**, and **27, 20.810, 80.930** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.257, 78.586**, and if you desaturate by 10%, it is **49, 15.383, 81.260**.

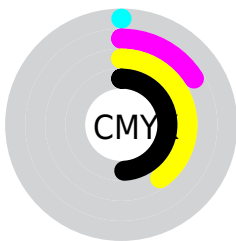
Distribution



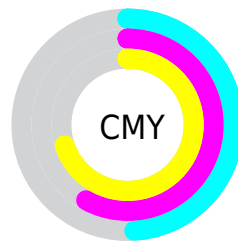
- Red (51%)
- Green (42%)
- Blue (30%)



- Red (44%)
- Yellow (51%)
- Blue (30%)



- Cyan (0%)
- Magenta (16%)
- Yellow (40%)
- Black (49%)



- Cyan (49%)
- Magenta (58%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 20.765, 79.936 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 47, 20.765, 79.936 by changing the saturation by 10% instead.

■ 47, 20.765, 79.936

■ 47, 20.765, 79.936

■ 100, 20.765,
79.936

■ 37, 20.765, 79.936

■ 67, 20.765, 79.936

■ 27, 20.765, 79.936

■ 77, 20.765, 79.936

■ 17, 20.765, 79.936

■ 87, 20.765, 79.936

■ 7, 20.765, 79.936

■ 97, 20.765, 79.936

■ 0, 20.765, 79.936

■ 47, 20.765, 79.936

■ 47, 20.765, 79.936

■ 45, 26.257, 78.586

■ 49, 15.383, 81.260

■ 44, 31.784, 77.183

■ 50, 10.142, 82.543

■ 42, 37.200, 75.699

■ 52, 5.052, 83.777

■ 41, 42.232, 74.059

■ 54, 0.109, 83.084

■ 39, 46.427, 72.119

■ 56, 4.695, 266.256

■ 38, 49.985, 70.133

■ 58, 9.369, 267.363

■ 60, 13.927,
268.438

■ 62, 18.378,
269.469

■ 63, 22.733,
270.452

Harmonies

Complementary

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



47, 20.765, 79.936



41, 19.823, 271.695

Rectangle

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



47, 20.765, 79.936



47, 20.765, 129.936



47, 20.765, 259.936



47, 20.765, 309.936

Sweetspot

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



47, 20.765, 79.941



66, 7.370, 83.531



39, 25.296, 352.616



34, 4.873, 83.406



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 20.765, 79.941



59, 31.077, 78.741



53, 29.457, 110.223



26, 2.744, 83.913



37, 49.474, 70.184



0, 0.000, 0.000

Inverse Universe

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



41, 19.823, 271.695



50, 29.396, 273.794



35, 32.481, 297.811



25, 2.724, 266.271



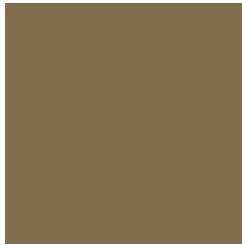
24, 50.209, 290.800



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 20.765, 79.936 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 47, 20.765, 79.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

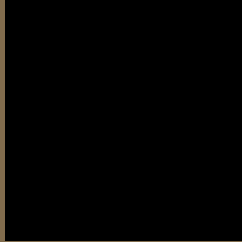
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 20.765, 79.936

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.765, 79.936.



This preview shows how white text looks on a background with the CIELCh color 47, 20.765, 79.936.

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

47, 20.765, 79.936

Protanopia

47, 19.203, 95.316

Deuteranopia

47, 21.055, 73.190



Tritanopia
47, 12.943, 359.814

Trichromacy



Original Color
47, 20.765, 79.936

Protanomaly
47, 19.729, 90.091

Deuteranomaly
47, 20.778, 74.217

Tritanomaly
47, 12.079, 40.438

Monochromacy



Original Color
47, 20.765, 79.936

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.333, 81.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.765, 79.936 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(129, 108, 77)` looks like.

```
.text, #text, p{  
    color:rgb(129, 108, 77)  
}
```

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(129, 108, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 108, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.765, 79.936 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(129, 108, 77) }
```

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

```
.border{ border-color:rgb(129, 108, 77) }
```

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

Here you see how a box with a 4 pixel rgb(129, 108, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 108, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 108, 77);  
box-shadow:4px 4px 4px 4px rgb(129, 108,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.765, 79.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 108, 77) }
```

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

```
.background{ background-color: rgb(129,  
108, 77) }
```

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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