

Converting Colors

CIELCh(47, 20.104, 98.395)

Have a look what the booklet for
CIELCh(47, 20.104, 98.395) contains.

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Color

CIELCh(47, 20.132, 98.358)

Conversions

Conversions Part 1

Format	Color
Hex	77704E
RGB	119, 112, 78
RGB Percent	47%, 44%, 31%
CMY	0.5339, 0.5613, 0.6946
CMYK	0.00, 0.06, 0.34, 0.53
HSL	50°, 21%, 39%
HSV	50°, 34%, 47%
XYZ	14.7391, 16.0195, 9.4990
YIQ	110.2170, 15.0860, -9.0900

Conversions

Conversions Part 2

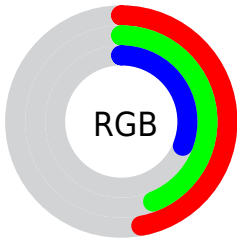
Format	Color
R_{YB}	86, 119, 78
Decimal	7827534
CIE Lab	47.00, -2.93, 19.92
CIE LCh	47, 20.132, 98.358
Yxy	16.0195, 0.3661, 0.3979
Android (android.graphics.Color)	4286017614 (0xFF77704E)
YUV	110.2170, -15.8830, 7.7027
Hunter-Lab	40.0243, -4.3095, 13.9457

Details

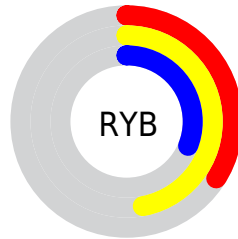
The CIELCh color **47, 20.132, 98.358** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 21.105, 286.777**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 20.524, 98.767**, and **27, 19.958, 97.217** is the 20% darker color. If you saturate the color by 10%, you get **46, 25.901, 97.234**, and if you desaturate by 10%, it is **48, 14.294, 99.476**.

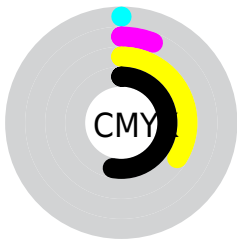
Distribution



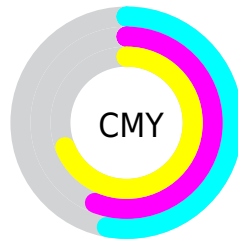
- Red (47%)
- Green (44%)
- Blue (31%)



- Red (34%)
- Yellow (47%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (34%)
- Black (53%)



- Cyan (53%)
- Magenta (56%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 20.132, 98.358 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, 20.132, 98.358 by changing the saturation by 10% instead.

■ 47, 20.132, 98.358

■ 47, 20.132, 98.358

■ 100, 20.132,
98.358

■ 37, 20.132, 98.358

■ 67, 20.132, 98.358

■ 27, 20.132, 98.358

■ 77, 20.132, 98.358

■ 17, 20.132, 98.358

■ 87, 20.132, 98.358

■ 7, 20.132, 98.358

■ 97, 20.132, 98.358

■ 0, 20.132, 98.358

■ 47, 20.132, 98.358

■ 47, 20.132, 98.358

■ 46, 25.901, 97.234

■ 48, 14.294, 99.476

■ 45, 31.506, 96.100

■ 49, 8.439, 100.567

45, 36.795, 94.966

50, 2.601, 101.608

44, 41.533, 93.834

50, 3.202, 282.709

43, 45.385, 92.697

51, 8.960, 283.685

43, 48.052, 91.535

52, 14.668,
284.636

42, 49.464, 90.916

53, 20.324,
285.546

54, 25.927,
286.413

55, 31.476,
287.237

Harmonies

Complementary

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



47, 20.132, 98.358



37, 21.105, 286.777

Rectangle

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



47, 20.132, 98.358



47, 20.132, 148.358



47, 20.132, 278.358



47, 20.132, 328.358

Sweetspot

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



47, 20.133, 98.362



63, 7.252, 101.017



38, 18.626, 8.285



33, 4.988, 100.897



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 20.133, 98.362



60, 29.783, 97.510



48, 24.383, 120.566



24, 3.238, 101.146



44, 50.501, 90.874



85, 85.214, 90.112

Inverse Universe

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



37, 21.105, 286.777



45, 31.664, 288.158



36, 26.030, 304.630



23, 3.279, 283.128



15, 68.029, 302.459



35, 120.471, 303.753

Previews

White Background



This preview shows how the CIELCh color 47, 20.132, 98.358 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 47, 20.132, 98.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

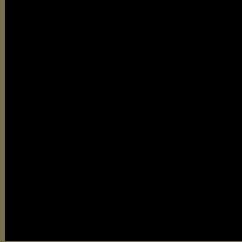
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

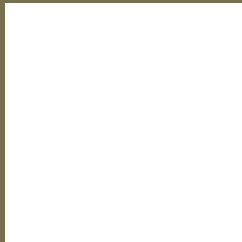
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 20.132, 98.358

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.132, 98.358.



This preview shows how white text looks on a background with the CIELCh color 47, 20.132, 98.358.

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, 20.132, 98.358

Protanopia

47, 19.769, 95.562

Deuteranopia

47, 20.558, 72.411



Tritanopia
47, 8.088, 344.671

Trichromacy



Original Color
47, 20.132, 98.358

Protanomaly
47, 19.769, 95.562

Deuteranomaly
47, 19.755, 81.669

Tritanomaly
47, 6.969, 62.254

Monochromacy



Original Color
47, 20.132, 98.358

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.707, 102.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.132, 98.358 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(119, 112, 78)` looks like.

```
.text, #text, p{  
    color:rgb(119, 112, 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(119, 112, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 112, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.132, 98.358 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(119, 112, 78) }
```

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

```
.border{ border-color:rgb(119, 112, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 112, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 112, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 112, 78);  
box-shadow:4px 4px 4px 4px rgb(119, 112,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.132, 98.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 112, 78) }
```

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

```
.background{ background-color: rgb(119,  
112, 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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