

Converting Colors

CIELCh(47, 20.919, 107.294)

Have a look what the booklet for
CIELCh(47, 20.919, 107.294)
contains.

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Color

CIELCh(47, 20.959, 107.282)

Conversions

Conversions Part 1

Format	Color
Hex	72724E
RGB	114, 114, 78
RGB Percent	45%, 45%, 31%
CMY	0.5548, 0.5548, 0.6958
CMYK	0.00, 0.00, 0.32, 0.55
HSL	60°, 19%, 37%
HSV	60°, 32%, 45%
XYZ	14.2025, 16.0195, 9.4686
YIQ	109.8960, 11.5560, -11.1960

Conversions

Conversions Part 2

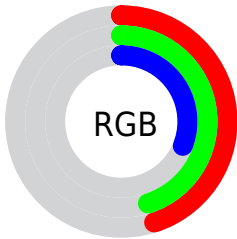
Format	Color
R_{YB}	78, 114, 78
Decimal	7500366
CIE _{Lab}	47.00, -6.23, 20.01
CIE _{LCh}	47, 20.959, 107.282
Yxy	16.0195, 0.3578, 0.4036
Android (android.graphics.Color)	4285690446 (0xFF72724E)
YUV	109.8960, -15.7247, 3.5992
Hunter-Lab	40.0243, -6.7024, 13.9907

Details

The CIELCh color $47, 20.959, 107.282$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 22.549, 293.891$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 21.298, 107.945$, and $27, 20.815, 107.376$ is the 20% darker color. If you saturate the color by 10%, you get $47, 27.338, 106.391$, and if you desaturate by 10%, it is $47, 14.423, 108.200$.

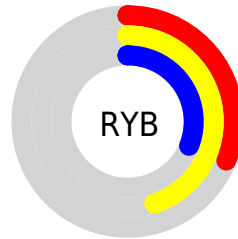
Distribution



Red (45%)

Green (45%)

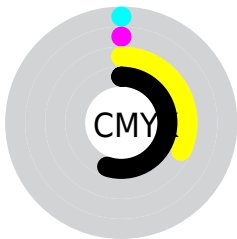
Blue (31%)



Red (31%)

Yellow (45%)

Blue (31%)

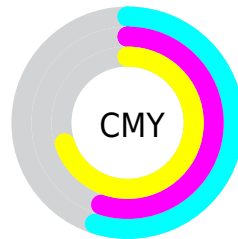


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (55%)



Cyan (55%)


Magenta (55%)

Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 20.959, 107.282 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, 20.959, 107.282 by changing the saturation by 10% instead.


 47, 20.959,
107.282


 47, 20.959,
107.282

 100, 20.959,
107.282


 37, 20.959,
107.282

 67, 20.959,
107.282


 27, 20.959,
107.282

 77, 20.959,
107.282

 17, 20.959,
107.282

 87, 20.959,
107.282

 7, 20.959, 107.282

 97, 20.959,
107.282

 0, 20.959, 107.282

 47, 20.959,

 47, 20.959,

107.282

107.282

■ 47, 27.338,
106.391

■ 47, 14.423,
108.200

■ 47, 33.451,
105.539

■ 47, 7.795, 109.118

■ 47, 39.146,
104.754

■ 48, 1.122, 109.998

■ 48, 5.567, 290.938

■ 46, 44.203,
104.069

■ 49, 12.250,
291.803

■ 46, 48.347,
103.518

■ 49, 18.914,
292.639

■ 46, 51.302,
103.131

■ 49, 25.548,
293.441

■ 46, 53.348,
102.868

■ 50, 32.143,
294.206

■ 50, 38.693,

Harmonies

Complementary

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



47, 20.959, 107.282



34, 22.549, 293.891

Rectangle

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



47, 20.959, 107.282



47, 20.959, 157.282



47, 20.959, 287.282



47, 20.959, 337.282

Sweetspot

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



47, 20.960, 107.286



61, 8.285, 109.248



37, 16.385, 21.918



31, 5.615, 109.151



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



47, 20.960, 107.286



60, 31.033, 106.629



46, 22.507, 127.670



23, 3.716, 109.364



49, 55.449, 102.868



95, 94.699, 102.869

Inverse Universe

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



34, 22.549, 293.891



41, 34.089, 295.030



36, 23.474, 310.532



21, 3.792, 291.066



12, 76.564, 306.289



31, 130.762, 306.288

Previews

White Background



This preview shows how the CIELCh color 47, 20.959, 107.282 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, 20.959, 107.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

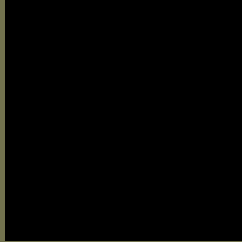
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

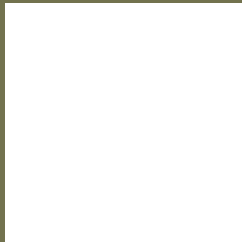
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 20.959, 107.282

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.959, 107.282.



This preview shows how white text looks on a background with the CIELCh color 47, 20.959, 107.282.

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

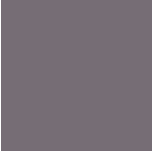
47, 20.959, 107.282

Protanopia

47, 20.334, 95.788

Deuteranopia

47, 20.277, 73.449



Tritanopia
47, 5.998, 328.000

Trichromacy



Original Color
47, 20.959, 107.282

Protanomaly
47, 20.631, 99.757

Deuteranomaly
47, 19.700, 85.859

Tritanomaly
47, 5.154, 85.421

Monochromacy



Original Color
47, 20.959, 107.282

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.667, 109.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.959, 107.282 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(114, 114, 78)` looks like.

```
.text, #text, p{  
    color:rgb(114, 114, 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(114, 114, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 114, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.959, 107.282 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(114, 114, 78) }
```

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

```
.border{ border-color:rgb(114, 114, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 114, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 114, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 114, 78);  
box-shadow:4px 4px 4px 4px rgb(114, 114,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.959, 107.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 114, 78) }
```

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

```
.background{ background-color: rgb(114,  
114, 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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