

Converting Colors

CIELCh(80, 55.458, 44.985)

Have a look what the booklet for
CIELCh(80, 55.458, 44.985) contains.

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Color

CIELCh(77, 44.109, 51.016)

Conversions

Conversions Part 1

Format	Color
Hex	FFA980
RGB	255, 169, 128
RGB Percent	100%, 66%, 50%
CMY	0.0000, 0.3364, 0.4975
CMYK	0.00, 0.34, 0.50, 0.00
HSL	19°, 100%, 75%
HSV	19°, 50%, 100%
XYZ	59.8713, 51.5317, 27.2634
YIQ	190.0400, 64.4170, 5.4810

Conversions

Conversions Part 2

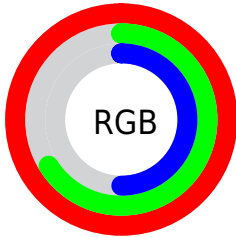
Format	Color
R _Y B	255, 189, 128
Decimal	16755072
CIE Lab	77.00, 27.75, 34.29
CIE LCh	77, 44.109, 51.016
Yxy	51.5317, 0.4318, 0.3716
Android (android.graphics.Color)	4294945152 (0xFFFFA980)
YUV	190.0400, -30.5857, 56.9699
Hunter-Lab	71.7856, 23.2495, 27.7322

Details

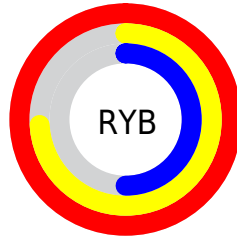
The CIELCh color **77, 44.109, 51.016** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **82, 31.876, 241.672**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 25.651, 81.087**, and **57, 43.717, 51.128** is the 20% darker color. If you saturate the color by 10%, you get **73, 54.273, 51.008**, and if you desaturate by 10%, it is **81, 33.541, 51.826**.

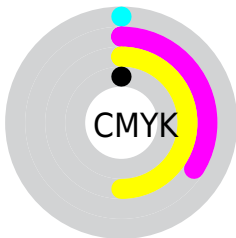
Distribution



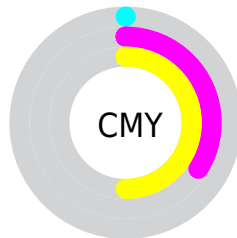
- Red (100%)
- Green (66%)
- Blue (50%)



- Red (100%)
- Yellow (74%)
- Blue (50%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.109, 51.016 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 77, 44.109, 51.016 by changing the saturation by 10% instead.

77, 44.109, 51.016

77, 44.109, 51.016

100, 44.109,
51.016

67, 44.109, 51.016

97, 44.109, 51.016

57, 44.109, 51.016

47, 44.109, 51.016

37, 44.109, 51.016

27, 44.109, 51.016

17, 44.109, 51.016

7, 44.109, 51.016

0, 44.109, 51.016

77, 44.109, 51.016

77, 44.109, 51.016

73, 54.273, 51.008

81, 33.541, 51.826

69, 65.376, 50.709

86, 24.159, 52.382

65, 76.430, 50.336

90, 15.441, 53.016

62, 86.387, 49.554

95, 7.343, 53.686

59, 93.848, 47.966

100, 0.012,
296.813

59, 94.026, 47.931

Harmonies

Complementary

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



77, 44.109, 51.016



82, 31.876, 241.672

Rectangle

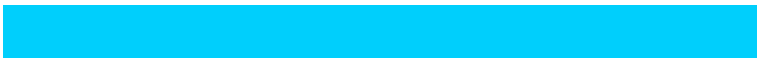
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 44.109, 51.016



77, 44.109, 101.016



77, 44.109, 231.016



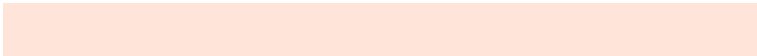
77, 44.109, 281.016

Sweetspot

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



77, 43.597, 51.367



93, 11.523, 53.334



71, 62.614, 339.005



48, 7.924, 53.192



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 43.597, 51.367



73, 54.550, 51.000



92, 53.108, 95.493



51, 4.280, 53.702



45, 75.249, 48.532



13, 28.254, 45.663

Inverse Universe

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



82, 31.876, 241.672



78, 36.909, 244.422



65, 57.543, 289.725



51, 4.076, 235.405



51, 41.084, 260.544



16, 17.748, 253.358

Previews

White Background



This preview shows how the CIELCh color 77, 44.109, 51.016 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 44.109, 51.016 looks on a black 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 ✓ Pass

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

CIELCh 77, 44.109, 51.016

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.109, 51.016.

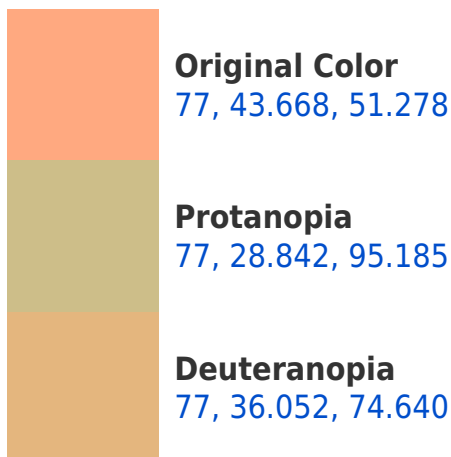


This preview shows how white text looks on a background with the CIELCh color 77, 44.109, 51.016.

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





Tritanopia
77, 35.561, 13.385

Trichromacy



Original Color
77, 43.668, 51.278

Protanomaly
77, 31.156, 74.361

Deuteranomaly
77, 37.890, 64.514

Tritanomaly
77, 36.083, 29.157

Monochromacy



Original Color
77, 43.668, 51.278

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 14.712, 50.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.109, 51.016 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(255, 169, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 128)  
}
```

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(255, 169, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.109, 51.016 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(255, 169, 128) }
```

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

```
.border{ border-color:rgb(255, 169, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.109, 51.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 128) }
```

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

```
.background{ background-color: rgb(255,  
169, 128) }
```

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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