

Converting Colors

CIELCh(90, 84.019, 39.819)

Have a look what the booklet for
CIELCh(90, 84.019, 39.819) contains.

CIELCh(77, 44.011, 51.783)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 44.011, 51.783)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA80
RGB	255, 170, 128
RGB Percent	100%, 67%, 50%
CMY	0.0000, 0.3349, 0.4997
CMYK	0.00, 0.33, 0.50, 0.00
HSL	20°, 100%, 75%
HSV	20°, 50%, 100%
XYZ	59.6528, 51.5317, 27.0748
YIQ	190.6270, 64.1420, 4.9580

Conversions

Conversions Part 2

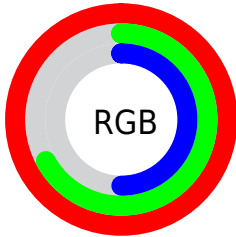
Format	Color
R _Y B	255, 191, 128
Decimal	16755328
CIE Lab	77.00, 27.23, 34.58
CIE LCh	77, 44.011, 51.783
Yxy	51.5317, 0.4315, 0.3727
Android (android.graphics.Color)	4294945408 (0xFFFFAA80)
YUV	190.6270, -30.8751, 56.4551
Hunter-Lab	71.7856, 22.7061, 27.8880

Details

The CIELCh color **77, 44.011, 51.783** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 32.098, 242.641**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 25.911, 82.319**, and **57, 43.597, 51.914** is the 20% darker color. If you saturate the color by 10%, you get **73, 54.411, 51.560**, and if you desaturate by 10%, it is **81, 33.717, 52.460**.

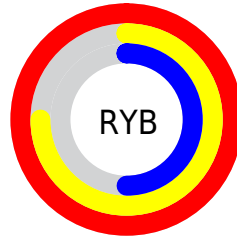
Distribution



Red (100%)

Green (67%)

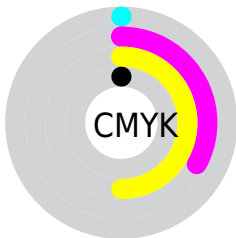
Blue (50%)



Red (100%)

Yellow (75%)

Blue (50%)

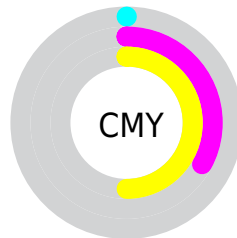


Cyan (0%)

Magenta (33%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.011, 51.783 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, 44.011, 51.783 by changing the saturation by 10% instead.

77, 44.011, 51.783

77, 44.011, 51.783

100, 44.011,
51.783

67, 44.011, 51.783

97, 44.011, 51.783

57, 44.011, 51.783

47, 44.011, 51.783

37, 44.011, 51.783

27, 44.011, 51.783

17, 44.011, 51.783

7, 44.011, 51.783

0, 44.011, 51.783

77, 44.011, 51.783

77, 44.011, 51.783

73, 54.411, 51.560

81, 33.717, 52.460

69, 65.475, 51.209

86, 24.341, 53.049

65, 76.464, 50.771

90, 15.622, 53.713

62, 86.317, 49.908

95, 7.519, 54.411

60, 93.688, 48.251

100, 0.012,
296.813

60, 93.707, 48.248

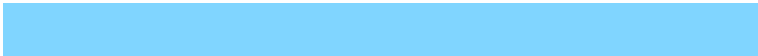
Harmonies

Complementary

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



77, 44.011, 51.783



81, 32.098, 242.641

Rectangle

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



77, 44.011, 51.783



77, 44.011, 101.783



77, 44.011, 231.783



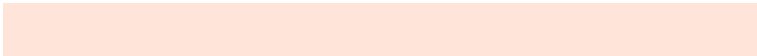
77, 44.011, 281.783

Sweetspot

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



77, 43.759, 51.963



93, 11.518, 54.060



71, 62.870, 339.028



48, 7.919, 53.912



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, 43.759, 51.963



73, 54.439, 51.559



92, 53.341, 95.465



51, 4.279, 54.443



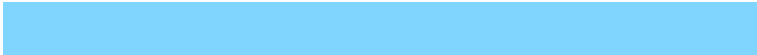
45, 74.995, 48.856



13, 28.179, 46.156

Inverse Universe

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



81, 32.098, 242.641



78, 37.069, 245.376



65, 57.830, 289.779



51, 4.078, 236.192



51, 41.533, 261.612



16, 17.891, 254.399

Previews

White Background



This preview shows how the CIELCh color 77, 44.011, 51.783 looks on a white background.

Color Contrast Check

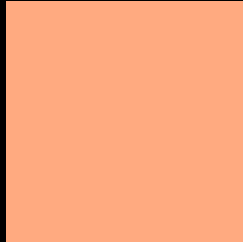
Large Text (above 18pt) WCAG AA × Fail

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, 44.011, 51.783 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, 44.011, 51.783

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.011, 51.783.



This preview shows how white text looks on a background with the CIELCh color 77, 44.011, 51.783.

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

77, 43.573, 52.055

Protanopia

77, 29.355, 95.336

Deuteranopia

77, 36.758, 74.454



Tritanopia
77, 35.569, 12.535

Trichromacy



Original Color
77, 43.573, 52.055

Protanomaly
77, 31.798, 75.879

Deuteranomaly
77, 38.305, 64.969

Tritanomaly
77, 36.083, 29.157

Monochromacy



Original Color
77, 43.573, 52.055

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 14.986, 54.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.011, 51.783 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, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 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, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.011, 51.783 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, 170, 128) }
```

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

```
.border{ border-color:rgb(255, 170, 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, 170, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.011, 51.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 128) }
```

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

```
.background{ background-color: rgb(255,  
170, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor