

Converting Colors

CIELCh(90, 83.175, 39.632)

Have a look what the booklet for
CIELCh(90, 83.175, 39.632) contains.

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Color

CIELCh(77, 43.230, 51.547)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA81
RGB	255, 170, 129
RGB Percent	100%, 67%, 51%
CMY	0.0005, 0.3337, 0.4945
CMYK	0.00, 0.33, 0.49, 0.00
HSL	20°, 100%, 75%
HSV	20°, 49%, 100%
XYZ	59.5093, 51.5317, 27.5451
YIQ	190.7410, 63.8210, 5.2690

Conversions

Conversions Part 2

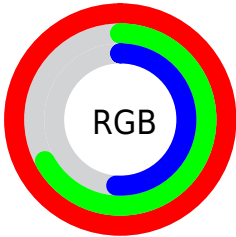
Format	Color
RYB	255, 190, 129
Decimal	16755329
CIELab	77.00, 26.88, 33.85
CIElCh	77, 43.230, 51.547
Yxy	51.5317, 0.4294, 0.3718
Android (android.graphics.Color)	4294945409 (0xFFFFAA81)
YUV	190.7410, -30.4383, 56.3551
Hunter-Lab	71.7856, 22.3493, 27.4995

Details

The CIELCh color **77, 43.230, 51.547** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **82, 31.725, 241.854**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 25.443, 81.886**, and **57, 43.228, 51.403** is the 20% darker color. If you saturate the color by 10%, you get **73, 53.872, 51.176**, and if you desaturate by 10%, it is **81, 33.205, 52.025**.

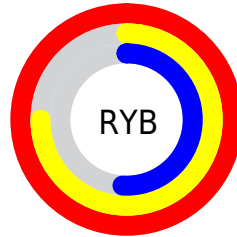
Distribution



Red (100%)

Green (67%)

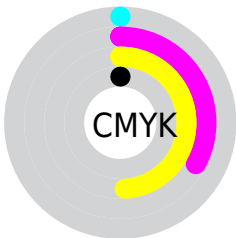
Blue (51%)



Red (100%)

Yellow (75%)

Blue (51%)

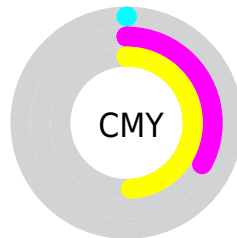


Cyan (0%)

Magenta (33%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 43.230, 51.547 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, 43.230, 51.547 by changing the saturation by 10% instead.

77, 43.230, 51.547

77, 43.230, 51.547

100, 43.230,
51.547

67, 43.230, 51.547

97, 43.230, 51.547

57, 43.230, 51.547

47, 43.230, 51.547

37, 43.230, 51.547

27, 43.230, 51.547

17, 43.230, 51.547

7, 43.230, 51.547

0, 43.230, 51.547

77, 43.230, 51.547

77, 43.230, 51.547

73, 53.872, 51.176

81, 33.205, 52.025

69, 64.950, 50.862

86, 23.855, 52.594

65, 75.999, 50.479

91, 15.164, 53.239

62, 85.995, 49.699

95, 7.090, 53.916

60, 93.502, 48.102

100, 0.040,
216.063

59, 93.903, 48.021

Harmonies

Complementary

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



77, 43.230, 51.547



82, 31.725, 241.854

Rectangle

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



77, 43.230, 51.547



77, 43.230, 101.547



77, 43.230, 231.547



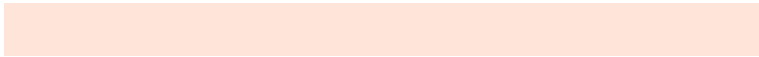
77, 43.230, 281.547

Sweetspot

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



77, 43.229, 51.552



93, 11.522, 53.539



71, 62.231, 338.973



48, 7.922, 53.396



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, 43.229, 51.552



73, 53.427, 51.191



92, 52.762, 95.532



51, 4.279, 53.911



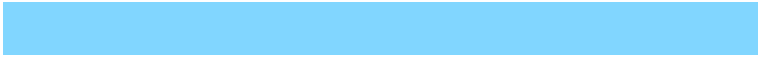
45, 75.177, 48.622



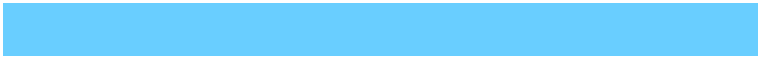
13, 28.233, 45.802

Inverse Universe

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



82, 31.725, 241.854



79, 36.488, 244.396



65, 57.119, 289.648



51, 4.077, 235.628



51, 41.210, 260.847



16, 17.788, 253.653

Previews

White Background



This preview shows how the CIELCh color 77, 43.230, 51.547 looks on a white background.

Color Contrast Check

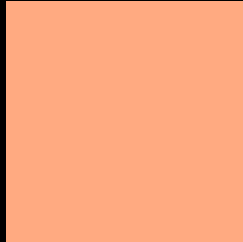
Large Text (above 18pt) WCAG AA × Fail

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, 43.230, 51.547 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, 43.230, 51.547

Background



This preview shows how black text looks on a background with the CIELCh color 77, 43.230, 51.547.

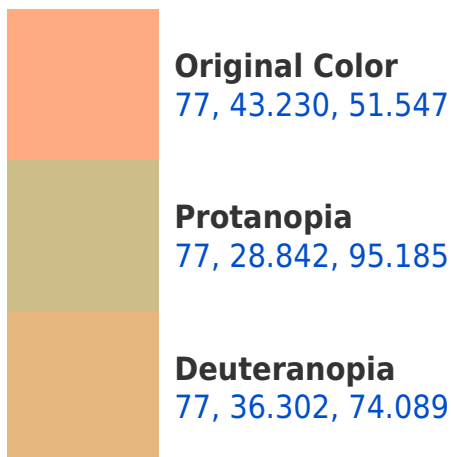


This preview shows how white text looks on a background with the CIELCh color 77, 43.230, 51.547.

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, 35.132, 13.216

Trichromacy



Original Color
77, 43.230, 51.547

Protanomaly
77, 31.335, 75.457

Deuteranomaly
77, 37.947, 65.437

Tritanomaly
77, 35.936, 28.352

Monochromacy



Original Color
77, 43.230, 51.547

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 14.661, 53.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 43.230, 51.547 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 43.230, 51.547 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, 129) }
```

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

```
.border{ border-color:rgb(255, 170, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 43.230, 51.547 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
170, 129) }
```

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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