

Converting Colors

CIELCh(81, 58.761, 47.029)

Have a look what the booklet for
CIELCh(81, 58.761, 47.029) contains.

CIELCh(77, 45.413, 53.710)	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, 45.413, 53.710)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA7C
RGB	255, 170, 124
RGB Percent	100%, 67%, 49%
CMY	0.0000, 0.3342, 0.5148
CMYK	0.00, 0.33, 0.51, 0.00
HSL	21°, 100%, 74%
HSV	21°, 51%, 100%
XYZ	59.5073, 51.5317, 25.7873
YIQ	190.1710, 65.4260, 3.7140

Conversions

Conversions Part 2

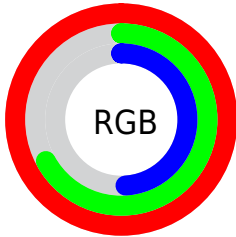
Format	Color
R _Y B	255, 195, 124
Decimal	16755324
CIE Lab	77.00, 26.88, 36.60
CIE LCh	77, 45.413, 53.710
Yxy	51.5317, 0.4349, 0.3766
Android (android.graphics.Color)	4294945404 (0xFFFFAA7C)
YUV	190.1710, -32.6223, 56.8550
Hunter-Lab	71.7856, 22.3443, 28.9514

Details

The CIELCh color **77, 45.413, 53.710** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **80, 33.320, 246.102**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 27.796, 83.888**, and **57, 45.099, 53.852** is the 20% darker color. If you saturate the color by 10%, you get **73, 55.700, 53.404**, and if you desaturate by 10%, it is **81, 35.053, 54.565**.

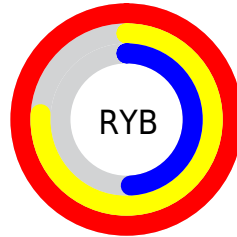
Distribution



Red (100%)

Green (67%)

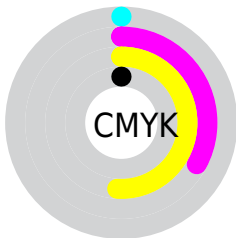
Blue (49%)



Red (100%)

Yellow (76%)

Blue (49%)

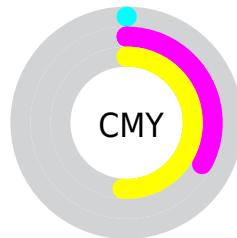


Cyan (0%)

Magenta (33%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 45.413, 53.710 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, 45.413, 53.710 by changing the saturation by 10% instead.

77, 45.413, 53.710

77, 45.413, 53.710

100, 45.413,
53.710

67, 45.413, 53.710

97, 45.413, 53.710

57, 45.413, 53.710

47, 45.413, 53.710

37, 45.413, 53.710

27, 45.413, 53.710

17, 45.413, 53.710

7, 45.413, 53.710

0, 45.413, 53.710

77, 45.413, 53.710

77, 45.413, 53.710

73, 55.700, 53.404

81, 35.053, 54.565

69, 66.634, 52.875

86, 25.645, 55.258

66, 77.341, 52.201

90, 16.874, 56.016

63, 86.663, 51.012

95, 8.703, 56.807

60, 92.618, 49.376

99, 1.080, 57.201

100, 0.012,
296.813

Harmonies

Complementary

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



77, 45.413, 53.710



80, 33.320, 246.102

Rectangle

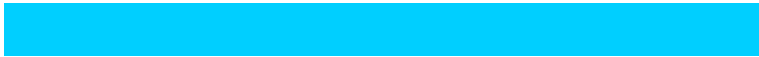
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 45.413, 53.710



77, 45.413, 103.710



77, 45.413, 233.710



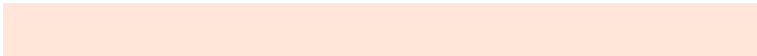
77, 45.413, 283.710

Sweetspot

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



77, 45.096, 53.949



93, 11.514, 56.528



70, 63.195, 340.836



49, 7.914, 56.361



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, 45.096, 53.949



73, 56.263, 53.377



93, 56.422, 97.367



51, 4.280, 56.960



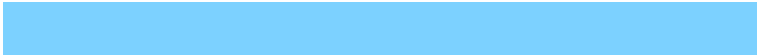
46, 74.134, 50.008



14, 27.938, 47.878

Inverse Universe

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



80, 33.320, 246.102



77, 38.656, 249.202



63, 62.309, 291.799



51, 4.091, 238.857



50, 43.160, 265.101



15, 18.420, 257.835

Previews

White Background



This preview shows how the CIELCh color 77, 45.413, 53.710 looks on a white background.

Color Contrast Check

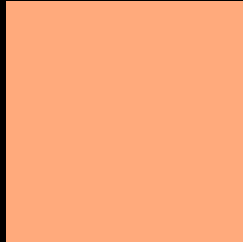
Large Text (above 18pt) WCAG AA × Fail

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, 45.413, 53.710 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, 45.413, 53.710

Background



This preview shows how black text looks on a background with the CIELCh color 77, 45.413, 53.710.



This preview shows how white text looks on a background with the CIELCh color 77, 45.413, 53.710.

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



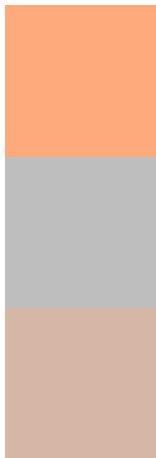
Original Color
77, 44.980, 53.995

Protanomaly
77, 33.890, 76.824

Deuteranomaly
77, 40.061, 67.548

Tritanomaly
77, 36.401, 30.744

Monochromacy



Original Color
77, 44.980, 53.995

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 15.324, 56.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 45.413, 53.710 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 45.413, 53.710 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, 124) }
```

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

```
.border{ border-color:rgb(255, 170, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 45.413, 53.710 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, 124) }
```

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

```
.background{ background-color: rgb(255,  
170, 124) }
```

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