

Converting Colors

CIELCh(77, 40.646, 45.988)

Have a look what the booklet for
CIELCh(77, 40.646, 45.988) contains.

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Color

CIELCh(77, 40.464, 45.720)

Conversions

Conversions Part 1

Format	Color
Hex	FFA98A
RGB	255, 169, 138
RGB Percent	100%, 66%, 54%
CMY	0.0000, 0.3368, 0.4584
CMYK	0.00, 0.34, 0.46, 0.00
HSL	16°, 100%, 77%
HSV	16°, 46%, 100%
XYZ	60.0817, 51.5317, 30.8610
YIQ	191.1800, 61.2070, 8.5910

Conversions

Conversions Part 2

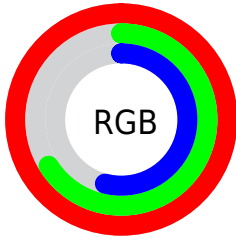
Format	Color
R _Y B	255, 180, 138
Decimal	16755082
CIE Lab	77.00, 28.25, 28.97
CIE LCh	77, 40.464, 45.720
Yxy	51.5317, 0.4217, 0.3617
Android (android.graphics.Color)	4294945162 (0xFFFFA98A)
YUV	191.1800, -26.2177, 55.9701
Hunter-Lab	71.7856, 23.7726, 24.7609

Details

The CIELCh color **77, 40.464, 45.720** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **85, 29.348, 232.093**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 20.665, 74.786**, and **57, 40.245, 45.450** is the 20% darker color. If you saturate the color by 10%, you get **72, 51.197, 45.792**, and if you desaturate by 10%, it is **82, 30.345, 45.864**.

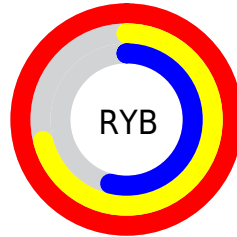
Distribution



Red (100%)

Green (66%)

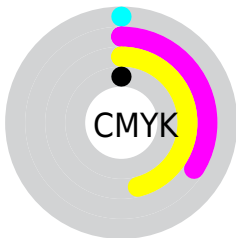
Blue (54%)



Red (100%)

Yellow (71%)

Blue (54%)

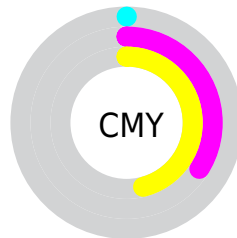


Cyan (0%)

Magenta (34%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 40.464, 45.720 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, 40.464, 45.720 by changing the saturation by 10% instead.

77, 40.464, 45.720

77, 40.464, 45.720

100, 40.464,
45.720

67, 40.464, 45.720

97, 40.464, 45.720

57, 40.464, 45.720

47, 40.464, 45.720

37, 40.464, 45.720

27, 40.464, 45.720

17, 40.464, 45.720

7, 40.464, 45.720

0, 40.464, 45.720

77, 40.464, 45.720

77, 40.464, 45.720

72, 51.197, 45.792

82, 30.345, 45.864

68, 62.552, 45.985

87, 21.003, 46.115

64, 74.144, 46.251

92, 12.366, 46.468

61, 85.177, 46.342

97, 4.383, 46.836

58, 94.034, 45.693

100, 0.012,
296.813

57, 96.971, 45.276

Harmonies

Complementary

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



77, 40.464, 45.720



85, 29.348, 232.093

Rectangle

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



77, 40.464, 45.720



77, 40.464, 95.720



77, 40.464, 225.720



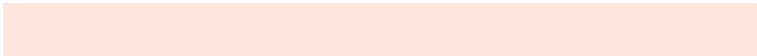
77, 40.464, 275.720

Sweetspot

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



77, 40.419, 45.749



93, 10.846, 46.540



73, 60.748, 335.640



48, 7.553, 46.456



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, 40.419, 45.749



73, 50.262, 45.782



90, 46.395, 91.459



50, 4.326, 46.715



43, 77.611, 45.793



12, 29.031, 41.302

Inverse Universe

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



85, 29.348, 232.093



82, 33.744, 233.928



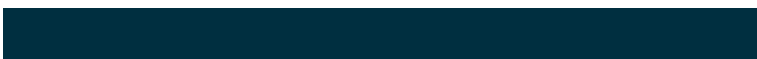
70, 48.332, 285.026



51, 4.095, 227.938



55, 37.556, 249.492



17, 16.678, 242.877

Previews

White Background



This preview shows how the CIELCh color 77, 40.464, 45.720 looks on a white background.

Color Contrast Check

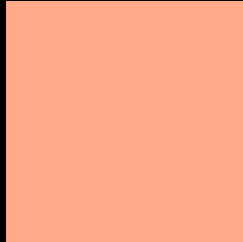
Large Text (above 18pt) WCAG AA × Fail

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, 40.464, 45.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

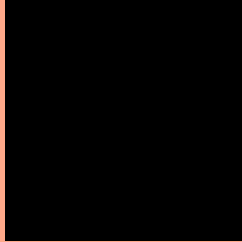
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 40.464, 45.720

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.464, 45.720.

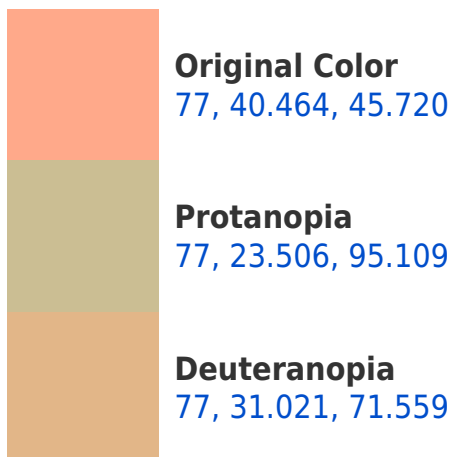


This preview shows how white text looks on a background with the CIELCh color 77, 40.464, 45.720.

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, 35.569, 12.535

Trichromacy



Original Color
77, 40.464, 45.720

Protanomaly
77, 26.420, 69.704

Deuteranomaly
77, 33.558, 59.715

Tritanomaly
77, 35.879, 25.092

Monochromacy



Original Color
77, 40.464, 45.720

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 13.496, 45.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.464, 45.720 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.464, 45.720 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, 138) }
```

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

```
.border{ border-color:rgb(255, 169, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.464, 45.720 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, 138) }
```

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

```
.background{ background-color: rgb(255,  
169, 138) }
```

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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