

Converting Colors

CIELCh(83, 68.279, 42.542)

Have a look what the booklet for
CIELCh(83, 68.279, 42.542) contains.

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Color

CIELCh(76, 45.783, 50.752)

Conversions

Conversions Part 1

Format	Color
Hex	FFA57B
RGB	255, 165, 123
RGB Percent	100%, 65%, 48%
CMY	0.0000, 0.3510, 0.5159
CMYK	0.00, 0.35, 0.52, 0.00
HSL	19°, 100%, 74%
HSV	19°, 52%, 100%
XYZ	58.5843, 49.8872, 25.4296
YIQ	187.1220, 67.1220, 6.0180

Conversions

Conversions Part 2

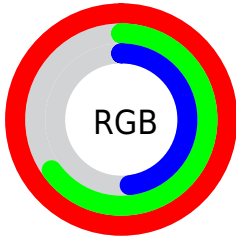
Format	Color
R _Y B	255, 185, 123
Decimal	16754043
CIE Lab	76.00, 28.97, 35.46
CIE LCh	76, 45.783, 50.752
Yxy	49.8872, 0.4375, 0.3726
Android (android.graphics.Color)	4294944123 (0xFFFFA57B)
YUV	187.1220, -31.6121, 59.5290
Hunter-Lab	70.6309, 24.4514, 28.0952

Details

The CIELCh color **76, 45.783, 50.752** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 32.754, 241.490**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 27.001, 78.475**, and **56, 46.059, 50.590** is the 20% darker color. If you saturate the color by 10%, you get **72, 56.376, 50.576**, and if you desaturate by 10%, it is **80, 35.378, 51.298**.

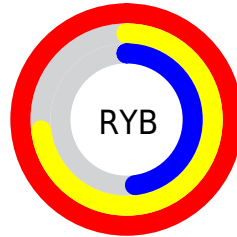
Distribution



Red (100%)

Green (65%)

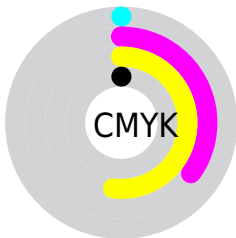
Blue (48%)



Red (100%)

Yellow (73%)

Blue (48%)

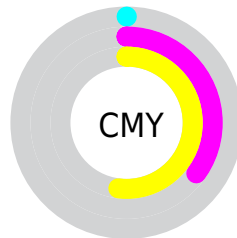


Cyan (0%)

Magenta (35%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 45.783, 50.752 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 76, 45.783, 50.752 by changing the saturation by 10% instead.

 76, 45.783, 50.752

 76, 45.783, 50.752

 100, 45.783,
50.752

 66, 45.783, 50.752

 96, 45.783, 50.752

 56, 45.783, 50.752

 46, 45.783, 50.752

 36, 45.783, 50.752

 26, 45.783, 50.752

 16, 45.783, 50.752

 6, 45.783, 50.752

 0, 45.783, 50.752

 76, 45.783, 50.752

 76, 45.783, 50.752

72, 56.376, 50.576

80, 35.378, 51.298

68, 67.550, 50.315

85, 25.856, 51.813

64, 78.540, 49.943

90, 17.007, 52.413

61, 88.158, 49.071

94, 8.792, 53.063

59, 94.243, 47.720

99, 1.157, 53.349

100, 0.012,
296.813

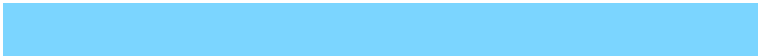
Harmonies

Complementary

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



76, 45.783, 50.752



81, 32.754, 241.490

Rectangle

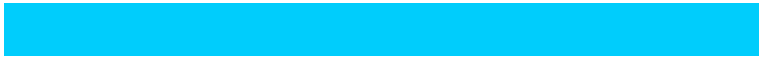
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 45.783, 50.752



76, 45.783, 100.752



76, 45.783, 230.752



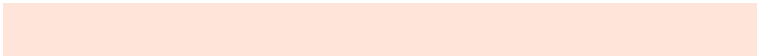
76, 45.783, 280.752

Sweetspot

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



76, 45.576, 50.887



93, 11.528, 52.839



70, 64.659, 339.190



48, 7.927, 52.701



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 45.576, 50.887



72, 56.833, 50.564



92, 54.983, 95.267



51, 4.281, 53.196



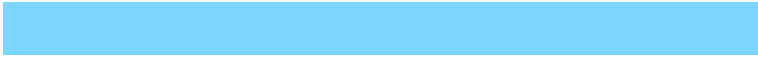
45, 75.422, 48.314



13, 28.306, 45.330

Inverse Universe

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



81, 32.754, 241.490



78, 37.704, 244.372



64, 59.868, 290.169



51, 4.075, 234.867



52, 40.785, 259.803



16, 17.653, 252.639

Previews

White Background



This preview shows how the CIELCh color 76, 45.783, 50.752 looks on a white background.

Color Contrast Check

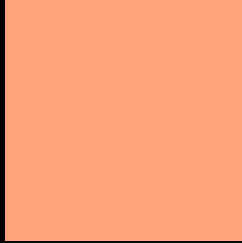
Large Text (above 18pt) WCAG AA × Fail

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 76, 45.783, 50.752 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 76, 45.783, 50.752

Background



This preview shows how black text looks on a background with the CIELCh color 76, 45.783, 50.752.

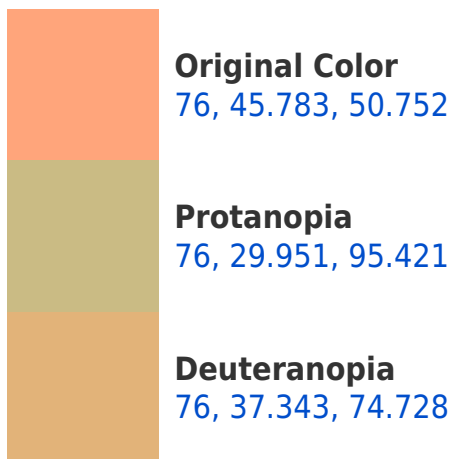


This preview shows how white text looks on a background with the CIELCh color 76, 45.783, 50.752.

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



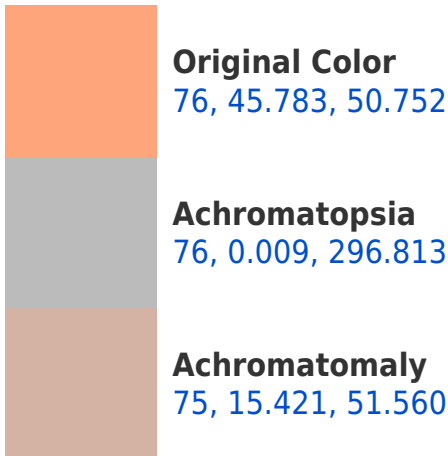


Tritanopia
76, 37.286, 14.043

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 45.783, 50.752 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, 165, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 123)  
}
```

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, 165, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 45.783, 50.752 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, 165, 123) }
```

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

```
.border{ border-color:rgb(255, 165, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 45.783, 50.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 123) }
```

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

```
.background{ background-color: rgb(255,  
165, 123) }
```

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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