

Converting Colors

CIELCh(75, 44.830, 45.700)

Have a look what the booklet for
CIELCh(75, 44.830, 45.700) contains.

CIELCh(75, 45.020, 45.782)	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(75, 45.020, 45.782)

Conversions

Conversions Part 1

Format	Color
Hex	FFA17F
RGB	255, 161, 127
RGB Percent	100%, 63%, 50%
CMY	0.0000, 0.3686, 0.5020
CMYK	0.00, 0.37, 0.50, 0.00
HSL	16°, 100%, 75%
HSV	16°, 50%, 100%
XYZ	57.8113, 48.2781, 26.3481
YIQ	185.2300, 66.9380, 9.3540

Conversions

Conversions Part 2

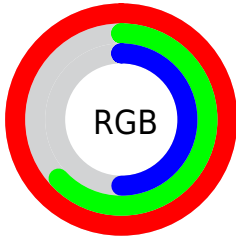
Format	Color
R_{YB}	255, 173, 127
Decimal	16753023
CIE _{Lab}	75.00, 31.40, 32.27
CIE _{LCh}	75, 45.020, 45.782
Yxy	48.2781, 0.4365, 0.3645
Android (android.graphics.Color)	4294943103 (0xFFFFA17F)
YUV	185.2300, -28.7074, 61.1883
Hunter-Lab	69.4824, 26.9226, 26.1546

Details

The CIELCh color **75, 45.020, 45.782** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **84, 31.514, 232.978**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 24.335, 69.624**, and **55, 45.292, 45.631** is the 20% darker color. If you saturate the color by 10%, you get **71, 56.069, 45.895**, and if you desaturate by 10%, it is **80, 34.633, 45.838**.

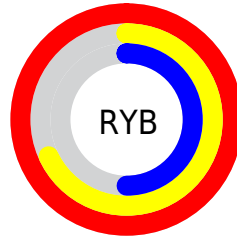
Distribution



Red (100%)

Green (63%)

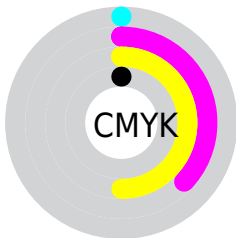
Blue (50%)



Red (100%)

Yellow (68%)

Blue (50%)

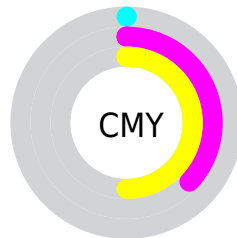


Cyan (0%)

Magenta (37%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 45.020, 45.782 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 75, 45.020, 45.782 by changing the saturation by 10% instead.

 75, 45.020, 45.782

 75, 45.020, 45.782

 100, 45.020,
45.782

 65, 45.020, 45.782

 95, 45.020, 45.782

 55, 45.020, 45.782

 45, 45.020, 45.782

 35, 45.020, 45.782

 25, 45.020, 45.782

 15, 45.020, 45.782

 5, 45.020, 45.782

 0, 45.020, 45.782

 75, 45.020, 45.782

 75, 45.020, 45.782

71, 56.069, 45.895

80, 34.633, 45.838

67, 67.585, 46.132

85, 24.975, 46.036

63, 79.069, 46.363

90, 16.038, 46.352

60, 89.405, 46.217

95, 7.779, 46.738

57, 96.949, 45.293

100, 0.141, 42.865

100, 0.012,
283.424

Harmonies

Complementary

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



75, 45.020, 45.782



84, 31.514, 232.978

Rectangle

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



75, 45.020, 45.782



75, 45.020, 95.782



75, 45.020, 225.782



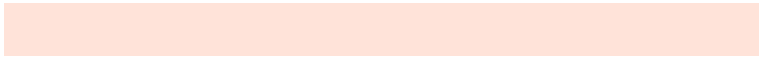
75, 45.020, 275.782

Sweetspot

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



75, 45.018, 45.786



92, 11.666, 46.549



71, 65.928, 336.001



48, 8.026, 46.467



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 45.018, 45.786



71, 55.848, 45.891



90, 50.746, 90.876



50, 4.326, 46.764



43, 77.595, 45.811



12, 29.026, 41.331

Inverse Universe

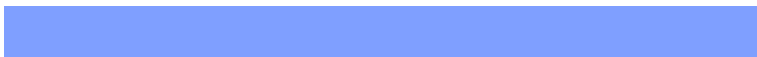
The Inverse Universe completely reimagines the original color for something new.



84, 31.514, 232.978



81, 35.885, 235.181



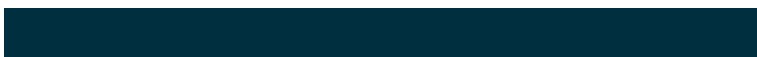
67, 53.259, 286.090



51, 4.094, 227.991



55, 37.576, 249.576



17, 16.684, 242.954

Previews

White Background



This preview shows how the CIELCh color 75, 45.020, 45.782 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 75, 45.020, 45.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

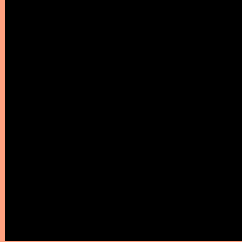
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 45.020, 45.782

Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.020, 45.782.

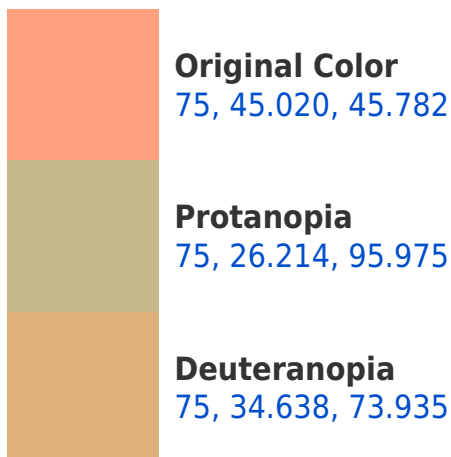


This preview shows how white text looks on a background with the CIELCh color 75, 45.020, 45.782.

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](#).

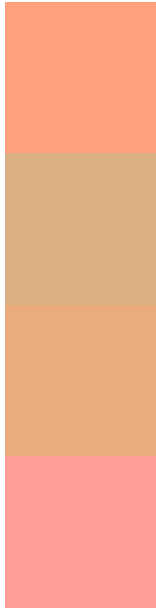
Dichromacy





Tritanopia
75, 39.026, 14.676

Trichromacy



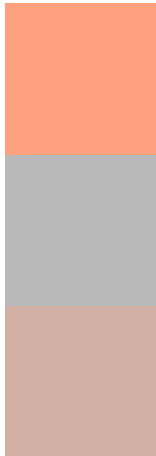
Original Color
75, 45.020, 45.782

Protanomaly
75, 29.643, 70.512

Deuteranomaly
75, 37.204, 61.597

Tritanomaly
75, 39.798, 26.812

Monochromacy



Original Color
75, 45.020, 45.782

Achromatopsia
75, 0.009, 296.813

Achromatomaly
74, 14.974, 45.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 45.020, 45.782 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, 161, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 127)  
}
```

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, 161, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 45.020, 45.782 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, 161, 127) }
```

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

```
.border{ border-color:rgb(255, 161, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 45.020, 45.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 127) }
```

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

```
.background{ background-color: rgb(255,  
161, 127) }
```

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