

Converting Colors

CIELCh(90, 87.002, 36.344)

Have a look what the booklet for
CIELCh(90, 87.002, 36.344) contains.

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Color

CIELCh(76, 43.196, 44.501)

Conversions

Conversions Part 1

Format	Color
Hex	FFA485
RGB	255, 164, 133
RGB Percent	100%, 64%, 52%
CMY	0.0000, 0.3557, 0.4775
CMYK	0.00, 0.36, 0.48, 0.00
HSL	15°, 100%, 76%
HSV	15°, 48%, 100%
XYZ	59.3489, 49.8872, 28.7736
YIQ	187.6750, 64.1870, 9.6510

Conversions

Conversions Part 2

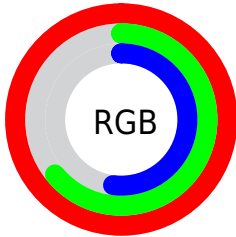
Format	Color
R_{YB}	255, 175, 133
Decimal	16753797
CIE _{Lab}	76.00, 30.81, 30.28
CIE _{LCh}	76, 43.196, 44.501
Yxy	49.8872, 0.4300, 0.3615
Android (android.graphics.Color)	4294943877 (0xFFFFA485)
YUV	187.6750, -26.9548, 59.0440
Hunter-Lab	70.6309, 26.3837, 25.2881

Details

The CIELCh color **76, 43.196, 44.501** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **85, 30.295, 230.908**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 22.382, 71.263**, and **56, 42.770, 44.469** is the 20% darker color. If you saturate the color by 10%, you get **71, 53.585, 44.939**, and if you desaturate by 10%, it is **81, 32.353, 44.798**.

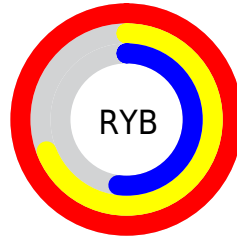
Distribution



Red (100%)

Green (64%)

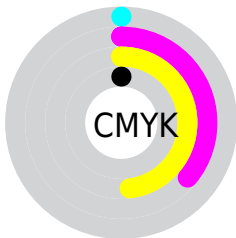
Blue (52%)



Red (100%)

Yellow (69%)

Blue (52%)

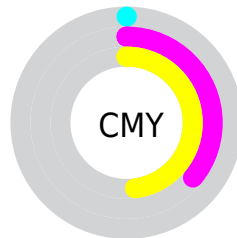


Cyan (0%)

Magenta (36%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 43.196, 44.501 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, 43.196, 44.501 by changing the saturation by 10% instead.

 76, 43.196, 44.501

 76, 43.196, 44.501

 100, 43.196,
44.501

 66, 43.196, 44.501

 96, 43.196, 44.501

 56, 43.196, 44.501

 46, 43.196, 44.501

 36, 43.196, 44.501

 26, 43.196, 44.501

 16, 43.196, 44.501

 6, 43.196, 44.501

 0, 43.196, 44.501

 76, 43.196, 44.501

 76, 43.196, 44.501

71, 53.585, 44.939

81, 32.353, 44.798

67, 65.084, 45.252

86, 22.823, 44.962

63, 76.717, 45.622

91, 14.014, 45.242

60, 87.551, 45.749

96, 5.879, 45.575

58, 95.856, 45.040

100, 0.012,
296.813

57, 97.457, 44.878

Harmonies

Complementary

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



76, 43.196, 44.501



85, 30.295, 230.908

Rectangle

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



76, 43.196, 44.501



76, 43.196, 94.501



76, 43.196, 224.501



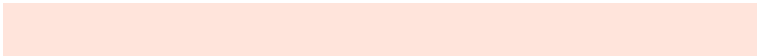
76, 43.196, 274.501

Sweetspot

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



76, 42.621, 44.783



93, 10.885, 45.368



72, 63.051, 335.797



48, 7.580, 45.295



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, 42.621, 44.783



72, 52.737, 44.921



90, 48.312, 91.204



50, 4.341, 45.520



43, 78.005, 45.380



12, 29.176, 40.606

Inverse Universe

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



85, 30.295, 230.908



82, 34.556, 232.769



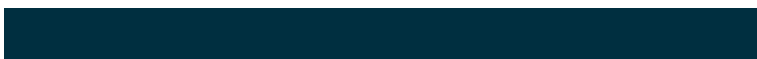
69, 50.485, 285.485



51, 4.105, 226.653



55, 37.090, 247.421



18, 16.549, 240.967

Previews

White Background



This preview shows how the CIELCh color 76, 43.196, 44.501 looks on a white background.

Color Contrast Check

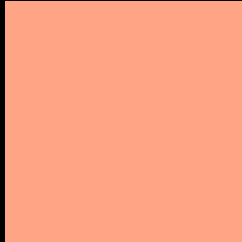
Large Text (above 18pt) WCAG AA × Fail

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, 43.196, 44.501 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, 43.196, 44.501

Background



This preview shows how black text looks on a background with the CIELCh color 76, 43.196, 44.501.

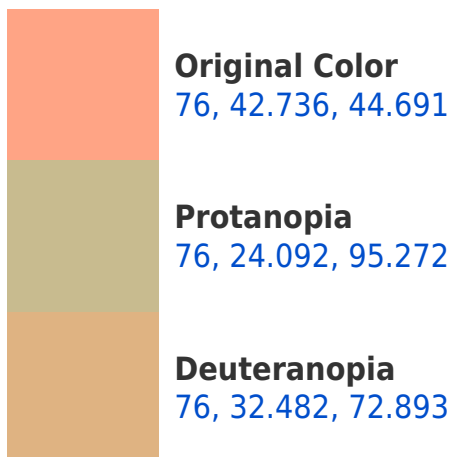


This preview shows how white text looks on a background with the CIELCh color 76, 43.196, 44.501.

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



Original Color
76, 42.736, 44.691

Protanomaly
76, 27.667, 70.186

Deuteranomaly
76, 35.201, 60.936

Tritanomaly
76, 37.822, 25.981

Monochromacy



Original Color
76, 42.736, 44.691

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 14.293, 44.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 43.196, 44.501 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, 164, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 133)  
}
```

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, 164, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 43.196, 44.501 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, 164, 133) }
```

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

```
.border{ border-color:rgb(255, 164, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 43.196, 44.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 133) }
```

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

```
.background{ background-color: rgb(255,  
164, 133) }
```

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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