

Converting Colors

CIE LCh(78, 42.211, 54.112)

Have a look what the booklet for
CIELCh(78, 42.211, 54.112) contains.

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Color

CIELCh(78, 42.202, 53.717)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE83
RGB	255, 174, 131
RGB Percent	100%, 68%, 51%
CMY	0.0000, 0.3174, 0.4860
CMYK	0.00, 0.32, 0.49, 0.00
HSL	21°, 100%, 76%
HSV	21°, 49%, 100%
XYZ	60.5170, 53.2120, 28.5763
YIQ	193.3170, 62.0790, 3.7990

Conversions

Conversions Part 2

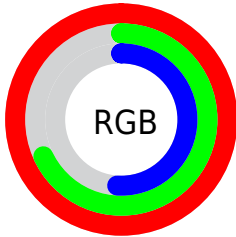
Format	Color
R _Y B	255, 197, 131
Decimal	16756355
CIE Lab	78.00, 24.97, 34.02
CIE LCh	78, 42.202, 53.717
Yxy	53.2120, 0.4253, 0.3739
Android (android.graphics.Color)	4294946435 (0xFFFFAE83)
YUV	193.3170, -30.7223, 54.0960
Hunter-Lab	72.9466, 20.4285, 27.8361

Details

The CIELCh color **78, 42.202, 53.717** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 31.683, 244.825**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 25.624, 85.954**, and **58, 42.054, 53.625** is the 20% darker color. If you saturate the color by 10%, you get **74, 52.652, 53.207**, and if you desaturate by 10%, it is **82, 32.295, 54.360**.

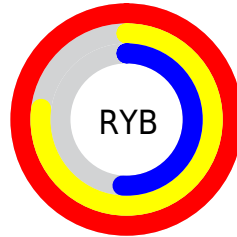
Distribution



Red (100%)

Green (68%)

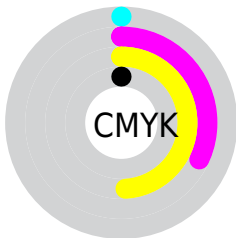
Blue (51%)



Red (100%)

Yellow (77%)

Blue (51%)

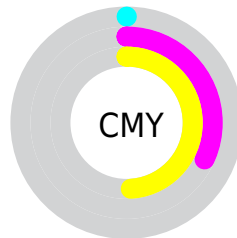


Cyan (0%)

Magenta (32%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 42.202, 53.717 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 78, 42.202, 53.717 by changing the saturation by 10% instead.

 78, 42.202, 53.717

 78, 42.202, 53.717

 100, 42.202,
53.717

 68, 42.202, 53.717

 98, 42.202, 53.717

 58, 42.202, 53.717

 48, 42.202, 53.717

 38, 42.202, 53.717

 28, 42.202, 53.717

 18, 42.202, 53.717

 8, 42.202, 53.717

 0, 42.202, 53.717

 78, 42.202, 53.717

 78, 42.202, 53.717

74, 52.652, 53.207

82, 32.295, 54.360

70, 63.556, 52.713

87, 23.063, 55.054

67, 74.449, 52.141

91, 14.463, 55.808

63, 84.372, 51.191

96, 6.454, 56.578

61, 91.862, 49.408

100, 0.012,
296.813

60, 92.812, 49.169

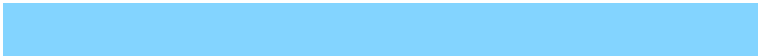
Harmonies

Complementary

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



78, 42.202, 53.717



81, 31.683, 244.825

Rectangle

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



78, 42.202, 53.717



78, 42.202, 103.717



78, 42.202, 233.717



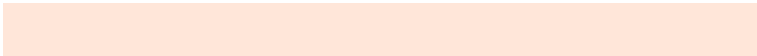
78, 42.202, 283.717

Sweetspot

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



78, 42.174, 53.743



93, 11.513, 56.088



71, 60.667, 339.696



49, 7.914, 55.924



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 42.174, 53.743



74, 52.006, 53.237



93, 52.674, 96.684



51, 4.279, 56.511



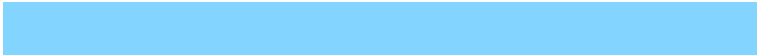
46, 74.287, 49.797



14, 27.980, 47.566

Inverse Universe

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



81, 31.683, 244.825



78, 36.586, 247.388



65, 57.300, 290.306



51, 4.088, 238.383



50, 42.859, 264.495



15, 18.321, 257.234

Previews

White Background



This preview shows how the CIELCh color 78, 42.202, 53.717 looks on a white background.

Color Contrast Check

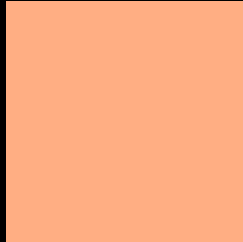
Large Text (above 18pt) WCAG AA × Fail

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 78, 42.202, 53.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

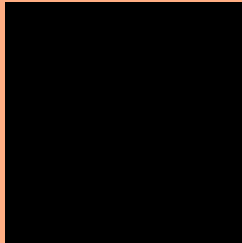
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 42.202, 53.717

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.202, 53.717.

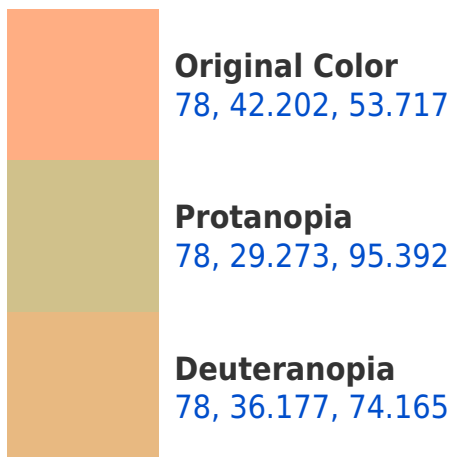


This preview shows how white text looks on a background with the CIELCh color 78, 42.202, 53.717.

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](#).

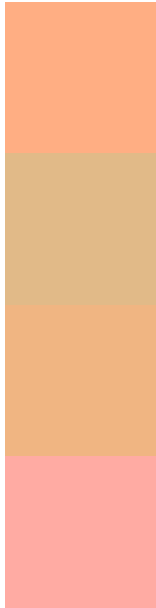
Dichromacy





Tritanopia
78, 33.427, 12.521

Trichromacy



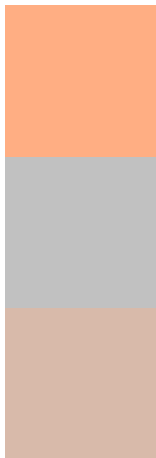
Original Color
78, 42.202, 53.717

Protanomaly
78, 31.456, 76.586

Deuteranomaly
78, 37.498, 65.956

Tritanomaly
78, 34.265, 29.290

Monochromacy



Original Color
78, 42.202, 53.717

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 14.603, 55.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.202, 53.717 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, 174, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 131)  
}
```

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, 174, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.202, 53.717 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, 174, 131) }
```

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

```
.border{ border-color:rgb(255, 174, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.202, 53.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 131) }
```

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

```
.background{ background-color: rgb(255,  
174, 131) }
```

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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