

Converting Colors

CIELCh(82, 61.843, 50.393)

Have a look what the booklet for
CIELCh(82, 61.843, 50.393) contains.

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Color

CIELCh(78, 47.838, 59.600)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE75
RGB	255, 174, 117
RGB Percent	100%, 68%, 46%
CMY	0.0000, 0.3165, 0.5403
CMYK	0.00, 0.32, 0.54, 0.00
HSL	25°, 100%, 73%
HSV	25°, 54%, 100%
XYZ	60.1941, 53.2120, 23.9970
YIQ	191.7210, 66.5730, -0.5550

Conversions

Conversions Part 2

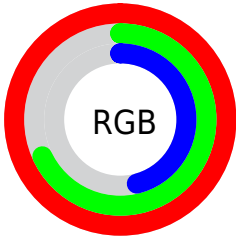
Format	Color
R_{YB}	255, 214, 117
Decimal	16756341
CIE _{Lab}	78.00, 24.21, 41.26
CIE _{LCh}	78, 47.838, 59.600
Yxy	53.2120, 0.4381, 0.3873
Android (android.graphics.Color)	4294946421 (0xFFFFAE75)
YUV	191.7210, -36.8375, 55.4957
Hunter-Lab	72.9466, 19.6383, 31.5581

Details

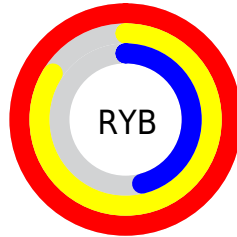
The CIELCh color **78, 47.838, 59.600** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **77, 36.723, 255.744**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 32.390, 89.870**, and **58, 47.566, 59.760** is the 20% darker color. If you saturate the color by 10%, you get **74, 57.663, 59.105**, and if you desaturate by 10%, it is **82, 37.417, 61.022**.

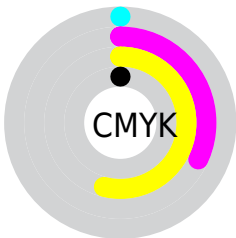
Distribution



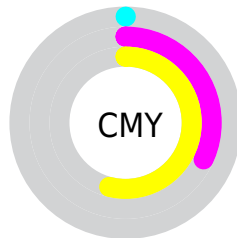
- Red (100%)
- Green (68%)
- Blue (46%)



- Red (100%)
- Yellow (84%)
- Blue (46%)



- Cyan (0%)
- Magenta (32%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (32%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 47.838, 59.600 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, 47.838, 59.600 by changing the saturation by 10% instead.

 78, 47.838, 59.600

 78, 47.838, 59.600

 100, 47.838,
59.600

 68, 47.838, 59.600

 98, 47.838, 59.600

 58, 47.838, 59.600

 48, 47.838, 59.600

 38, 47.838, 59.600

 28, 47.838, 59.600

 18, 47.838, 59.600

 8, 47.838, 59.600

 0, 47.838, 59.600

 78, 47.838, 59.600

 78, 47.838, 59.600

74, 57.663, 59.105

82, 37.417, 61.022

71, 68.070, 58.076

86, 28.017, 62.015

67, 77.863, 56.777

90, 19.167, 63.037

65, 85.780, 54.817

94, 10.848, 64.070

63, 89.374, 53.313

98, 3.019, 65.011

100, 0.012,
296.813

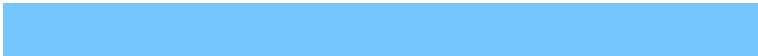
Harmonies

Complementary

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



78, 47.838, 59.600



77, 36.723, 255.744

Rectangle

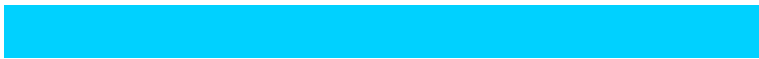
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 47.838, 59.600



78, 47.838, 109.600



78, 47.838, 239.600



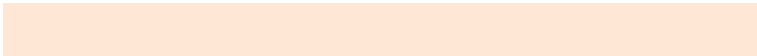
78, 47.838, 289.600

Sweetspot

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



78, 47.340, 60.060



93, 12.447, 63.867



68, 63.941, 343.804



49, 8.457, 63.654



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, 47.340, 60.060



74, 58.677, 59.010



94, 61.535, 99.994



51, 4.335, 64.527



48, 71.593, 54.002



15, 27.353, 53.515

Inverse Universe

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



77, 36.723, 255.744



73, 43.040, 259.398



59, 69.869, 294.650



51, 4.183, 246.789



46, 48.948, 274.402



14, 20.383, 267.273

Previews

White Background



This preview shows how the CIELCh color 78, 47.838, 59.600 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, 47.838, 59.600 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, 47.838, 59.600

Background



This preview shows how black text looks on a background with the CIELCh color 78, 47.838, 59.600.



This preview shows how white text looks on a background with the CIELCh color 78, 47.838, 59.600.

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



Original Color

78, 47.432, 59.931

Protanopia

78, 37.064, 95.713

Deuteranopia

78, 42.885, 76.681



Tritanopia
78, 33.851, 12.698

Trichromacy



Original Color
78, 47.432, 59.931

Protanomaly
78, 38.258, 80.627

Deuteranomaly
78, 43.985, 69.616

Tritanomaly
78, 35.299, 34.196

Monochromacy



Original Color
78, 47.432, 59.931

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 16.124, 63.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 47.838, 59.600 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 47.838, 59.600 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, 117) }
```

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

```
.border{ border-color:rgb(255, 174, 117) }
```

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, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 47.838, 59.600 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
174, 117) }
```

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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