

Converting Colors

CIELCh(78, 47.222, 58.911)

Have a look what the booklet for
CIELCh(78, 47.222, 58.911) contains.

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Color

CIELCh(78, 46.656, 59.145)

Conversions

Conversions Part 1

Format	Color
Hex	FFAF78
RGB	255, 175, 120
RGB Percent	100%, 69%, 47%
CMY	0.0000, 0.3154, 0.5313
CMYK	0.00, 0.32, 0.53, 0.00
HSL	24°, 100%, 73%
HSV	24°, 53%, 100%
XYZ	60.0767, 53.2120, 24.7243
YIQ	192.6500, 65.3350, -0.1450

Conversions

Conversions Part 2

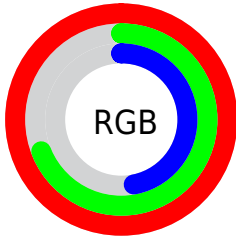
Format	Color
R _Y B	255, 213, 120
Decimal	16756600
CIE Lab	78.00, 23.93, 40.05
CIE LCh	78, 46.656, 59.145
Yxy	53.2120, 0.4353, 0.3856
Android (android.graphics.Color)	4294946680 (0xFFFFAF78)
YUV	192.6500, -35.8164, 54.6810
Hunter-Lab	72.9466, 19.3511, 30.9670

Details

The CIELCh color **78, 46.656, 59.145** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **78, 35.888, 254.397**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 31.263, 90.137**, and **58, 46.311, 59.360** is the 20% darker color. If you saturate the color by 10%, you get **74, 56.782, 58.440**, and if you desaturate by 10%, it is **82, 36.532, 60.271**.

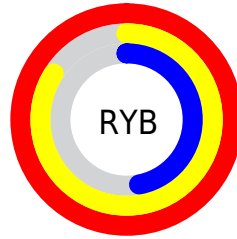
Distribution



Red (100%)

Green (69%)

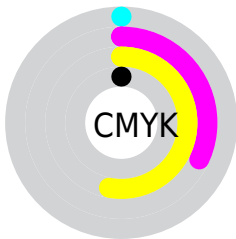
Blue (47%)



Red (100%)

Yellow (84%)

Blue (47%)

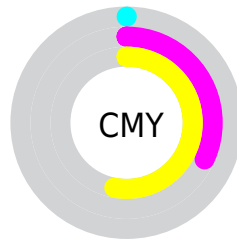


Cyan (0%)

Magenta (32%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 46.656, 59.145 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, 46.656, 59.145 by changing the saturation by 10% instead.

 78, 46.656, 59.145

 78, 46.656, 59.145

 100, 46.656,
59.145

 68, 46.656, 59.145

 98, 46.656, 59.145

 58, 46.656, 59.145

 48, 46.656, 59.145

 38, 46.656, 59.145

 28, 46.656, 59.145

 18, 46.656, 59.145

 8, 46.656, 59.145

 0, 46.656, 59.145

 78, 46.656, 59.145

 78, 46.656, 59.145

74, 56.782, 58.440

82, 36.532, 60.271

71, 67.269, 57.477

86, 27.166, 61.231

67, 77.252, 56.276

90, 18.362, 62.225

64, 85.509, 54.457

94, 10.097, 63.230

63, 89.770, 52.775

99, 2.327, 64.099

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, 46.656, 59.145



78, 35.888, 254.397

Rectangle

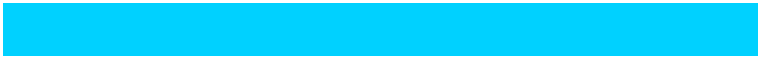
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 46.656, 59.145



78, 46.656, 109.145



78, 46.656, 239.145



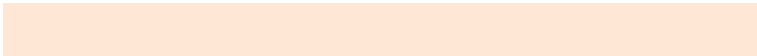
78, 46.656, 289.145

Sweetspot

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



78, 46.440, 59.347



93, 12.420, 62.942



69, 63.012, 343.687



49, 8.440, 62.735



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, 46.440, 59.347



74, 57.700, 58.360



94, 60.595, 100.088



51, 4.324, 63.586



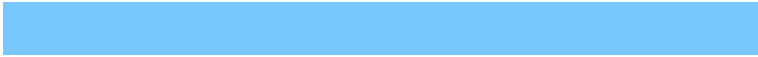
48, 71.901, 53.459



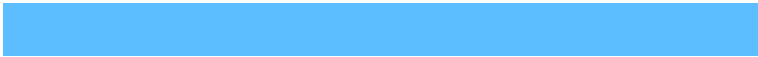
14, 27.413, 52.774

Inverse Universe

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



78, 35.888, 254.397



73, 42.063, 257.940



60, 68.577, 294.438



51, 4.167, 245.810



47, 48.156, 273.333



14, 20.109, 266.169

Previews

White Background



This preview shows how the CIELCh color 78, 46.656, 59.145 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, 46.656, 59.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

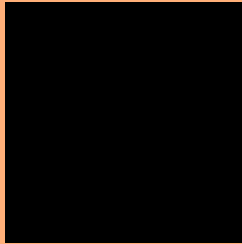
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 46.656, 59.145

Background



This preview shows how black text looks on a background with the CIELCh color 78, 46.656, 59.145.



This preview shows how white text looks on a background with the CIELCh color 78, 46.656, 59.145.

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, 46.250, 59.479

Protanopia

78, 35.554, 95.426

Deuteranopia

78, 41.514, 75.851



Tritanopia
78, 33.870, 11.808

Trichromacy



Original Color
78, 46.250, 59.479

Protanomaly
78, 37.312, 80.078

Deuteranomaly
78, 42.782, 69.399

Tritanomaly
78, 34.923, 32.596

Monochromacy



Original Color
78, 46.250, 59.479

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 15.736, 62.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 46.656, 59.145 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, 175, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 120)  
}
```

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, 175, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 46.656, 59.145 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, 175, 120) }
```

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

```
.border{ border-color:rgb(255, 175, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 46.656, 59.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 120) }
```

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

```
.background{ background-color: rgb(255,  
175, 120) }
```

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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