

Converting Colors

CIELCh(83, 67.633, 52.073)

Have a look what the booklet for
CIELCh(83, 67.633, 52.073) contains.

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Color

CIELCh(77, 50.996, 62.442)

Conversions

Conversions Part 1

Format	Color
Hex	FEAC6B
RGB	254, 172, 107
RGB Percent	100%, 67%, 42%
CMY	0.0050, 0.3260, 0.5807
CMYK	0.00, 0.32, 0.58, 0.01
HSL	27°, 98%, 71%
HSV	27°, 58%, 99%
XYZ	58.1465, 51.5317, 20.7725
YIQ	189.1080, 69.7370, -2.8310

Conversions

Conversions Part 2

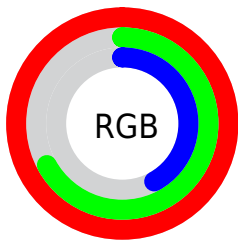
Format	Color
R _Y B	254, 224, 107
Decimal	16690283
CIE Lab	77.00, 23.59, 45.21
CIE LCh	77, 50.996, 62.442
Yxy	51.5317, 0.4457, 0.3950
Android (android.graphics.Color)	4294880363 (0xFFFEAC6B)
YUV	189.1080, -40.4792, 56.9103
Hunter-Lab	71.7856, 18.9607, 33.0933

Details

The CIELCh color **77, 50.996, 62.442** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **74, 40.126, 260.619**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 36.586, 90.094**, and **57, 51.296, 62.048** is the 20% darker color. If you saturate the color by 10%, you get **74, 61.169, 61.316**, and if you desaturate by 10%, it is **81, 41.060, 63.540**.

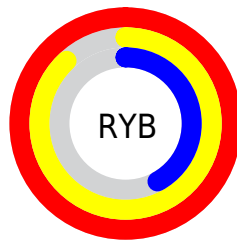
Distribution



Red (100%)

Green (67%)

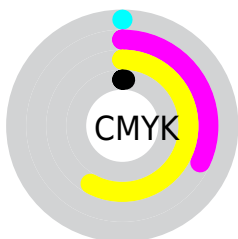
Blue (42%)



Red (100%)

Yellow (88%)

Blue (42%)

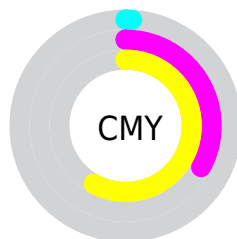


Cyan (0%)

Magenta (32%)

Yellow (58%)

Black (1%)



Cyan (1%)

Magenta (33%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 50.996, 62.442 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 77, 50.996, 62.442 by changing the saturation by 10% instead.

77, 50.996, 62.442

77, 50.996, 62.442

100, 50.996,
62.442

67, 50.996, 62.442

97, 50.996, 62.442

57, 50.996, 62.442

47, 50.996, 62.442

37, 50.996, 62.442

27, 50.996, 62.442

17, 50.996, 62.442

7, 50.996, 62.442

0, 50.996, 62.442

77, 50.996, 62.442

77, 50.996, 62.442

74, 61.169, 61.316

81, 41.060, 63.540

70, 71.134, 60.035

84, 31.557, 64.640

67, 79.993, 58.348

88, 22.549, 65.755

64, 86.461, 55.861

92, 14.041, 66.877

64, 87.683, 55.311

96, 6.002, 67.968

100, 0.446,
200.862

Harmonies

Complementary

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



77, 50.996, 62.442



74, 40.126, 260.619

Rectangle

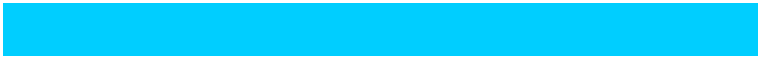
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 50.996, 62.442



77, 50.996, 112.442



77, 50.996, 242.442



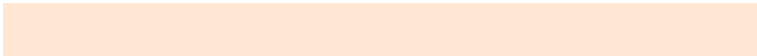
77, 50.996, 292.442

Sweetspot

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



77, 50.995, 62.446



93, 13.391, 66.972



66, 66.201, 346.259



49, 9.009, 66.747



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 50.995, 62.446



73, 62.592, 61.178



95, 66.972, 101.426



51, 4.384, 67.795



49, 70.550, 56.003



15, 27.178, 56.177

Inverse Universe

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



74, 40.126, 260.619



70, 47.068, 264.624



55, 78.073, 296.896



51, 4.248, 250.174



45, 51.858, 277.939



13, 21.406, 270.967

Previews

White Background



This preview shows how the CIELCh color 77, 50.996, 62.442 looks on a white background.

Color Contrast Check

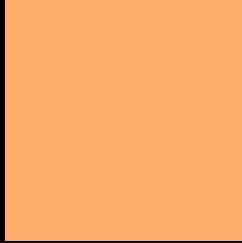
Large Text (above 18pt) WCAG AA × Fail

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 77, 50.996, 62.442 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 77, 50.996, 62.442

Background



This preview shows how black text looks on a background with the CIELCh color 77, 50.996, 62.442.



This preview shows how white text looks on a background with the CIELCh color 77, 50.996, 62.442.

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

77, 51.062, 62.418

Protanopia

77, 41.123, 96.272

Deuteranopia

77, 46.863, 78.076



Tritanopia
77, 35.569, 12.535

Trichromacy



Original Color
77, 51.062, 62.418

Protanomaly
77, 42.799, 82.146

Deuteranomaly
77, 47.852, 71.540

Tritanomaly
77, 37.326, 34.573

Monochromacy



Original Color
77, 51.062, 62.418

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 17.677, 66.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 50.996, 62.442 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(254, 172, 107)` looks like.

```
.text, #text, p{  
    color:rgb(254, 172, 107)  
}
```

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(254, 172, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 172, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 50.996, 62.442 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(254, 172, 107) }
```

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

```
.border{ border-color:rgb(254, 172, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 172, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 172, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 172, 107);  
box-shadow:4px 4px 4px 4px rgb(254, 172,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 50.996, 62.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 172, 107) }
```

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

```
.background{ background-color: rgb(254,  
172, 107) }
```

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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