

Converting Colors

CIELCh(77, 53.133, 62.604)

Have a look what the booklet for
CIELCh(77, 53.133, 62.604) contains.

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Color

CIELCh(77, 52.989, 62.729)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB67
RGB	255, 171, 103
RGB Percent	100%, 67%, 40%
CMY	0.0000, 0.3283, 0.5951
CMYK	0.00, 0.33, 0.60, 0.00
HSL	27°, 100%, 70%
HSV	27°, 60%, 100%
XYZ	58.4291, 51.5317, 19.7667
YIQ	188.3640, 71.8920, -3.3400

Conversions

Conversions Part 2

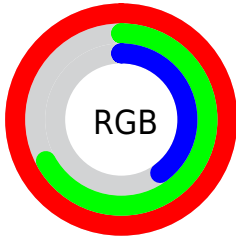
Format	Color
R _Y B	255, 226, 103
Decimal	16755559
CIE Lab	77.00, 24.28, 47.10
CIE LCh	77, 52.989, 62.729
Yxy	51.5317, 0.4504, 0.3972
Android (android.graphics.Color)	4294945639 (0xFFFFAB67)
YUV	188.3640, -42.0845, 58.4398
Hunter-Lab	71.7856, 19.6633, 33.9240

Details

The CIELCh color **77, 52.989, 62.729** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **73, 41.620, 261.909**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 38.196, 89.987**, and **57, 52.909, 62.556** is the 20% darker color. If you saturate the color by 10%, you get **74, 63.066, 61.651**, and if you desaturate by 10%, it is **81, 42.878, 63.950**.

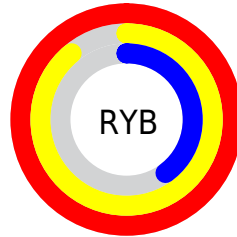
Distribution



Red (100%)

Green (67%)

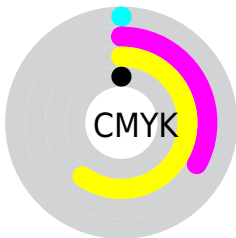
Blue (40%)



Red (100%)

Yellow (89%)

Blue (40%)

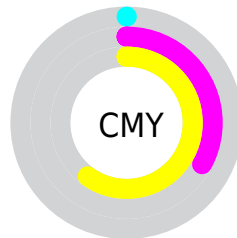


Cyan (0%)

Magenta (33%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 52.989, 62.729 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, 52.989, 62.729 by changing the saturation by 10% instead.

77, 52.989, 62.729

77, 52.989, 62.729

100, 52.989,
62.729

67, 52.989, 62.729

97, 52.989, 62.729

57, 52.989, 62.729

47, 52.989, 62.729

37, 52.989, 62.729

27, 52.989, 62.729

17, 52.989, 62.729

7, 52.989, 62.729

0, 52.989, 62.729

77, 52.989, 62.729

77, 52.989, 62.729

74, 63.066, 61.651

81, 42.878, 63.950

70, 72.904, 60.290

84, 33.269, 65.071

67, 81.406, 58.460

88, 24.143, 66.204

65, 87.477, 55.853

92, 15.511, 67.343

64, 87.758, 55.729

96, 7.349, 68.461

100, 0.012,
296.813

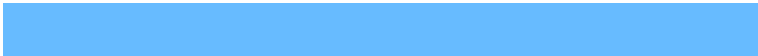
Harmonies

Complementary

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



77, 52.989, 62.729



73, 41.620, 261.909

Rectangle

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



77, 52.989, 62.729



77, 52.989, 112.729



77, 52.989, 242.729



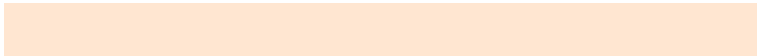
77, 52.989, 292.729

Sweetspot

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



77, 52.887, 62.827



93, 14.252, 67.514



66, 68.013, 346.517



48, 9.986, 67.183



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, 52.887, 62.827



73, 64.575, 61.464



95, 68.905, 101.269



51, 4.395, 68.461



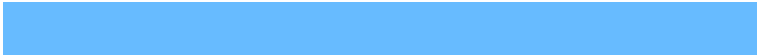
49, 70.343, 56.434



15, 27.149, 56.738

Inverse Universe

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



73, 41.620, 261.909



69, 48.678, 266.154



54, 80.883, 297.295



51, 4.263, 250.861



44, 52.483, 278.629



13, 21.628, 271.695

Previews

White Background



This preview shows how the CIELCh color 77, 52.989, 62.729 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, 52.989, 62.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

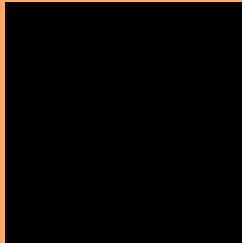
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 52.989, 62.729

Background



This preview shows how black text looks on a background with the CIELCh color 77, 52.989, 62.729.



This preview shows how white text looks on a background with the CIELCh color 77, 52.989, 62.729.

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, 52.989, 62.729

Protanopia

77, 42.808, 95.299

Deuteranopia

77, 48.498, 78.225



Tritanopia
77, 35.561, 13.385

Trichromacy



Original Color
77, 52.989, 62.729

Protanomaly
77, 44.178, 81.507

Deuteranomaly
77, 49.485, 71.899

Tritanomaly
77, 37.745, 36.044

Monochromacy



Original Color
77, 52.989, 62.729

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 18.091, 67.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 52.989, 62.729 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, 171, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 103)  
}
```

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, 171, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 52.989, 62.729 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, 171, 103) }
```

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

```
.border{ border-color:rgb(255, 171, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 52.989, 62.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 103) }
```

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

```
.background{ background-color: rgb(255,  
171, 103) }
```

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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