

Converting Colors

CIELCh(86, 81.857, 53.297)

Have a look what the booklet for
CIELCh(86, 81.857, 53.297) contains.

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Color

CIELCh(77, 58.320, 67.976)

Conversions

Conversions Part 1

Format	Color
Hex	FEAD59
RGB	254, 173, 89
RGB Percent	100%, 68%, 35%
CMY	0.0054, 0.3223, 0.6515
CMYK	0.00, 0.32, 0.65, 0.01
HSL	31°, 98%, 67%
HSV	31°, 65%, 99%
XYZ	57.4411, 51.5317, 16.3393
YIQ	187.6430, 75.2400, -8.9520

Conversions

Conversions Part 2

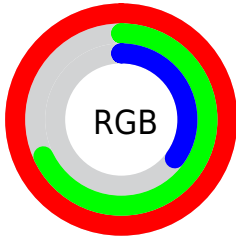
Format	Color
R _Y B	248, 254, 89
Decimal	16690521
CIE Lab	77.00, 21.87, 54.06
CIE LCh	77, 58.320, 67.976
Yxy	51.5317, 0.4584, 0.4112
Android (android.graphics.Color)	4294880601 (0xFFFEAD59)
YUV	187.6430, -48.6310, 58.1951
Hunter-Lab	71.7856, 17.2066, 36.7548

Details

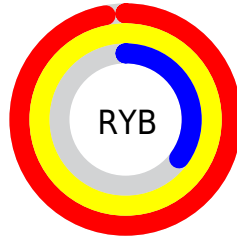
The CIELCh color **77, 58.320, 67.976** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **68, 48.960, 270.973**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 45.607, 93.064**, and **57, 58.462, 67.687** is the 20% darker color. If you saturate the color by 10%, you get **74, 67.833, 66.453**, and if you desaturate by 10%, it is **80, 48.542, 69.363**.

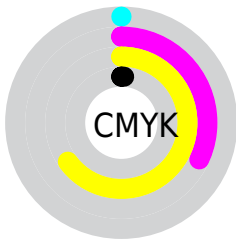
Distribution



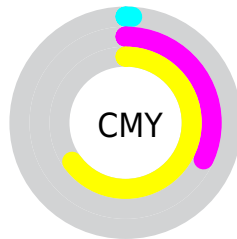
- Red (100%)
- Green (68%)
- Blue (35%)



- Red (97%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (32%)
- Yellow (65%)
- Black (1%)



- Cyan (1%)
- Magenta (32%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 58.320, 67.976 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, 58.320, 67.976 by changing the saturation by 10% instead.

77, 58.320, 67.976

77, 58.320, 67.976

100, 58.320,
67.976

67, 58.320, 67.976

97, 58.320, 67.976

57, 58.320, 67.976

47, 58.320, 67.976

37, 58.320, 67.976

27, 58.320, 67.976

17, 58.320, 67.976

7, 58.320, 67.976

0, 58.320, 67.976

77, 58.320, 67.976

77, 58.320, 67.976

74, 67.833, 66.453

80, 48.542, 69.363

71, 76.312, 64.597

84, 38.900, 70.690

68, 82.576, 62.077

87, 29.574, 71.993

67, 84.898, 60.585

90, 20.632, 73.279

94, 12.085, 74.541

98, 3.916, 75.720

100, 0.476,
200.768

Harmonies

Complementary

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



77, 58.320, 67.976



68, 48.960, 270.973

Rectangle

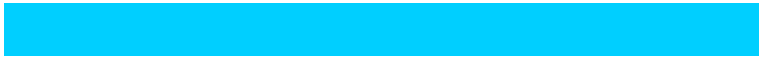
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 58.320, 67.976



77, 58.320, 117.976



77, 58.320, 247.976



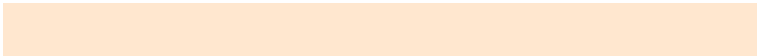
77, 58.320, 297.976

Sweetspot

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



77, 58.319, 67.980



93, 15.556, 74.035



63, 70.143, 351.772



49, 10.777, 73.673



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, 58.319, 67.980



73, 70.873, 65.933



97, 77.798, 104.217



51, 4.554, 75.207



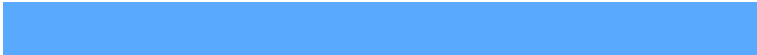
52, 68.429, 61.281



16, 27.009, 62.778

Inverse Universe

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



68, 48.960, 270.973



63, 58.612, 276.108



47, 95.398, 300.870



51, 4.459, 257.756



41, 59.427, 285.106



12, 24.144, 278.626

Previews

White Background



This preview shows how the CIELCh color 77, 58.320, 67.976 looks on a white background.

Color Contrast Check

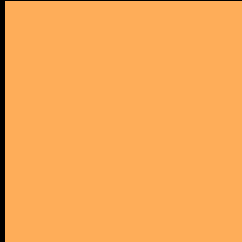
Large Text (above 18pt) WCAG AA × Fail

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, 58.320, 67.976 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, 58.320, 67.976

Background



This preview shows how black text looks on a background with the CIELCh color 77, 58.320, 67.976.



This preview shows how white text looks on a background with the CIELCh color 77, 58.320, 67.976.

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, 58.382, 67.942

Protanopia

77, 50.545, 95.628

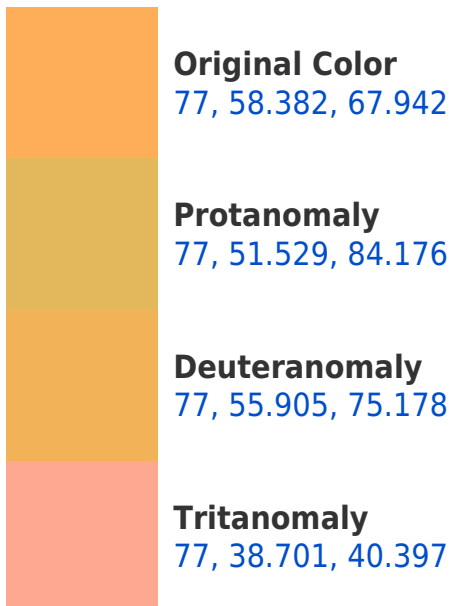
Deuteranopia

77, 55.377, 79.427



Tritanopia
77, 35.569, 12.535

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 58.320, 67.976 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, 173, 89)` looks like.

```
.text, #text, p{  
    color:rgb(254, 173, 89)  
}
```

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, 173, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 173, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 58.320, 67.976 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, 173, 89) }
```

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

```
.border{ border-color:rgb(254, 173, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 173, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 173, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 173, 89);  
box-shadow:4px 4px 4px 4px rgb(254, 173,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 58.320, 67.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 173, 89) }
```

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

```
.background{ background-color: rgb(254,  
173, 89) }
```

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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