

Converting Colors

CIELCh(70, 77.050, 62.744)

Have a look what the booklet for
CIELCh(70, 77.050, 62.744) contains.

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Color

CIELCh(70, 77.087, 62.675)

Conversions

Conversions Part 1

Format	Color
Hex	FE8F25
RGB	254, 143, 37
RGB Percent	100%, 56%, 15%
CMY	0.0048, 0.4399, 0.8558
CMYK	0.00, 0.44, 0.86, 0.00
HSL	29°, 99%, 57%
HSV	29°, 86%, 100%
XYZ	50.9153, 40.7494, 6.9139
YIQ	164.1050, 100.1820, -9.4340

Conversions

Conversions Part 2

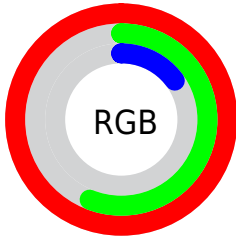
Format	Color
R _Y B	254, 244, 37
Decimal	16682789
CIE Lab	70.00, 35.39, 68.49
CIE LCh	70, 77.087, 62.675
Yxy	40.7494, 0.5165, 0.4134
Android (android.graphics.Color)	4294872869 (0xFFFE8F25)
YUV	164.1050, -62.6628, 78.8379
Hunter-Lab	63.8353, 30.6608, 38.2631

Details

The CIELCh color **70, 77.087, 62.675** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **60, 61.485, 277.177**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 59.816, 80.822**, and **50, 69.332, 58.598** is the 20% darker color. If you saturate the color by 10%, you get **67, 83.505, 60.174**, and if you desaturate by 10%, it is **73, 68.431, 64.481**.

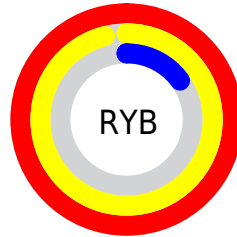
Distribution



Red (100%)

Green (56%)

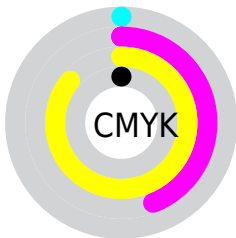
Blue (15%)



Red (100%)

Yellow (96%)

Blue (15%)

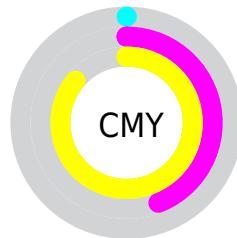


Cyan (0%)

Magenta (44%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 77.087, 62.675 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 70, 77.087, 62.675 by changing the saturation by 10% instead.

 70, 77.087, 62.675

 70, 77.087, 62.675

 100, 77.087,
62.675

 60, 77.087, 62.675

 90, 77.087, 62.675

 50, 77.087, 62.675

 40, 77.087, 62.675

 30, 77.087, 62.675

 20, 77.087, 62.675

 10, 77.087, 62.675

 0, 77.087, 62.675

 70, 77.087, 62.675

 70, 77.087, 62.675

 67, 83.505, 60.174

 73, 68.431, 64.481

66, 85.714, 58.870

76, 58.767, 65.941

79, 48.880, 67.260

83, 39.173, 68.528

86, 29.823, 69.782

90, 20.893, 71.027

94, 12.389, 72.255

97, 4.290, 73.413

100, 0.426,
200.933

Harmonies

Complementary

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



70, 77.087, 62.675



60, 61.485, 277.177

Rectangle

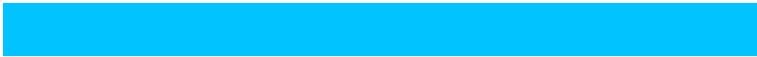
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 77.087, 62.675



70, 77.087, 112.675



70, 77.087, 242.675



70, 77.087, 292.675

Sweetspot

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



70, 77.085, 62.678



90, 21.408, 70.965



57, 82.327, 355.876



47, 14.639, 70.534



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 77.085, 62.678



66, 86.033, 58.860



96, 91.462, 102.191



51, 4.493, 72.970



51, 69.023, 59.571



16, 27.022, 60.700

Inverse Universe

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



60, 61.485, 277.177



55, 71.985, 283.909



36, 122.467, 304.633



51, 4.386, 255.481



42, 56.995, 283.055



12, 23.253, 276.411

Previews

White Background



This preview shows how the CIELCh color 70, 77.087, 62.675 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 70, 77.087, 62.675 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 70, 77.087, 62.675

Background



This preview shows how black text looks on a background with the CIELCh color 70, 77.087, 62.675.



This preview shows how white text looks on a background with the CIELCh color 70, 77.087, 62.675.

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

70, 77.087, 62.675

Protanopia

70, 63.931, 95.191

Deuteranopia

70, 70.497, 82.664



Tritanopia
70, 48.969, 19.149

Trichromacy



Original Color
70, 77.087, 62.675

Protanomaly
70, 65.598, 81.576

Deuteranomaly
70, 71.819, 75.114

Tritanomaly
70, 55.795, 42.055

Monochromacy



Original Color
70, 77.087, 62.675

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 27.627, 68.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 77.087, 62.675 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, 143, 37)` looks like.

```
.text, #text, p{  
    color:rgb(254, 143, 37)  
}
```

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, 143, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 143, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 77.087, 62.675 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, 143, 37) }
```

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

```
.border{ border-color:rgb(254, 143, 37) }
```

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

Here you see how a box with a 4 pixel rgb(254, 143, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 143, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 143, 37);  
box-shadow:4px 4px 4px 4px rgb(254, 143,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 77.087, 62.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 143, 37) }
```

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

```
.background{ background-color: rgb(254,  
143, 37) }
```

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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