

Converting Colors

CIELCh(76, 67.400, 70.509)

Have a look what the booklet for
CIELCh(76, 67.400, 70.509) contains.

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Color

CIELCh(76, 67.534, 70.261)

Conversions

Conversions Part 1

Format	Color
Hex	FEA941
RGB	254, 169, 65
RGB Percent	100%, 66%, 25%
CMY	0.0035, 0.3368, 0.7447
CMYK	0.00, 0.33, 0.74, 0.00
HSL	33°, 99%, 63%
HSV	33°, 74%, 100%
XYZ	56.0778, 49.8872, 11.6894
YIQ	182.5590, 84.0440, -14.3240

Conversions

Conversions Part 2

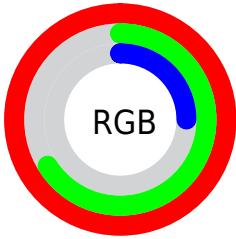
Format	Color
RYP	219, 254, 65
Decimal	16689473
CIELab	76.00, 22.81, 63.57
CIElCh	76, 67.534, 70.261
Yxy	49.8872, 0.4766, 0.4240
Android (android.graphics.Color)	4294879553 (0xFFFEA941)
YUV	182.5590, -57.9566, 62.6538
Hunter-Lab	70.6309, 18.1169, 39.6291

Details

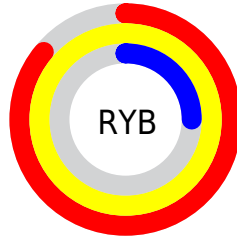
The CIELCh color **76, 67.534, 70.261** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **62, 59.722, 278.679**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 54.763, 92.034**, and **56, 66.813, 70.166** is the 20% darker color. If you saturate the color by 10%, you get **73, 75.639, 68.332**, and if you desaturate by 10%, it is **79, 58.286, 71.886**.

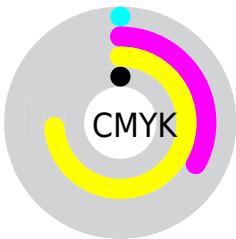
Distribution



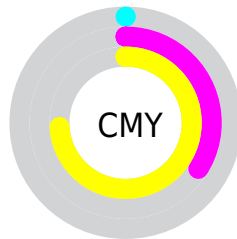
- Red (100%)
- Green (66%)
- Blue (25%)



- Red (86%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (33%)
- Yellow (74%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 67.534, 70.261 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 76, 67.534, 70.261 by changing the saturation by 10% instead.

 76, 67.534, 70.261

 76, 67.534, 70.261

 100, 67.534,
70.261

 66, 67.534, 70.261

 96, 67.534, 70.261

 56, 67.534, 70.261

 46, 67.534, 70.261

 36, 67.534, 70.261

 26, 67.534, 70.261

 16, 67.534, 70.261

 6, 67.534, 70.261

 0, 67.534, 70.261

 76, 67.534, 70.261

 76, 67.534, 70.261

73, 75.639, 68.332

79, 58.286, 71.886

71, 81.481, 65.798

82, 48.661, 73.362

69, 83.743, 64.111

85, 39.070, 74.771

88, 29.710, 76.142

91, 20.663, 77.483

95, 11.951, 78.788

98, 3.566, 79.997

100, 0.308,
201.539

Harmonies

Complementary

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



76, 67.534, 70.261



62, 59.722, 278.679

Rectangle

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



76, 67.534, 70.261



76, 67.534, 120.261



76, 67.534, 250.261



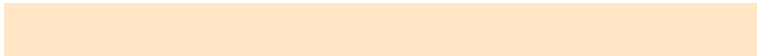
76, 67.534, 300.261

Sweetspot

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



76, 67.533, 70.264



93, 18.611, 77.797



59, 75.608, 357.721



48, 12.572, 77.438



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 67.533, 70.264



72, 78.907, 67.253



96, 86.006, 106.242



51, 4.692, 79.402



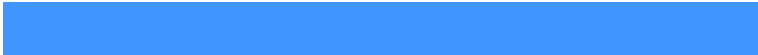
53, 67.468, 64.792



17, 27.089, 66.879

Inverse Universe

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



62, 59.722, 278.679



56, 71.953, 284.787



42, 109.570, 303.533



50, 4.623, 261.989



39, 64.355, 288.725



11, 25.978, 282.583

Previews

White Background



This preview shows how the CIELCh color 76, 67.534, 70.261 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 76, 67.534, 70.261 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 76, 67.534, 70.261

Background



This preview shows how black text looks on a background with the CIELCh color 76, 67.534, 70.261.



This preview shows how white text looks on a background with the CIELCh color 76, 67.534, 70.261.

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

76, 67.534, 70.261

Protanopia

76, 60.477, 95.244

Deuteranopia

76, 64.846, 81.147



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 67.534, 70.261

Protanomaly
76, 61.418, 85.469

Deuteranomaly
76, 65.597, 77.169

Tritanomaly
76, 42.736, 44.691

Monochromacy



Original Color
76, 67.534, 70.261

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 24.271, 76.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 67.534, 70.261 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, 169, 65)` looks like.

```
.text, #text, p{  
    color:rgb(254, 169, 65)  
}
```

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, 169, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 169, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 67.534, 70.261 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, 169, 65) }
```

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

```
.border{ border-color:rgb(254, 169, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 169, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 169, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 169, 65);  
box-shadow:4px 4px 4px 4px rgb(254, 169,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 67.534, 70.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 169, 65) }
```

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

```
.background{ background-color: rgb(254,  
169, 65) }
```

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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