

Converting Colors

CIELCh(78, 64.533, 71.550)

Have a look what the booklet for
CIELCh(78, 64.533, 71.550) contains.

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Color

CIELCh(78, 64.023, 71.739)

Conversions

Conversions Part 1

Format	Color
Hex	FFB14D
RGB	255, 177, 77
RGB Percent	100%, 69%, 30%
CMY	0.0000, 0.3074, 0.6996
CMYK	0.00, 0.31, 0.70, 0.00
HSL	34°, 100%, 65%
HSV	34°, 70%, 100%
XYZ	58.4671, 53.2120, 14.1356
YIQ	188.9220, 78.5880, -14.5640

Conversions

Conversions Part 2

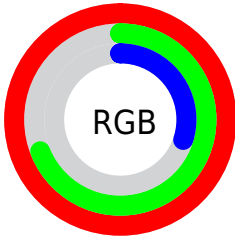
Format	Color
R _Y B	216, 255, 77
Decimal	16757069
CIE Lab	78.00, 20.06, 60.80
CIE LCh	78, 64.023, 71.739
Yxy	53.2120, 0.4647, 0.4229
Android (android.graphics.Color)	4294947149 (0xFFFFB14D)
YUV	188.9220, -55.1775, 57.9504
Hunter-Lab	72.9466, 15.4124, 39.5733

Details

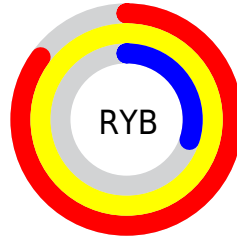
The CIELCh color **78, 64.023, 71.739** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **64, 57.263, 277.958**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 52.688, 96.049**, and **58, 63.905, 71.795** is the 20% darker color. If you saturate the color by 10%, you get **75, 72.488, 70.173**, and if you desaturate by 10%, it is **81, 54.379, 73.519**.

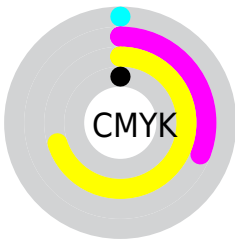
Distribution



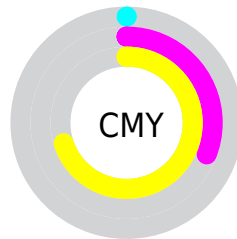
- Red (100%)
- Green (69%)
- Blue (30%)



- Red (85%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (31%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 64.023, 71.739 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 78, 64.023, 71.739 by changing the saturation by 10% instead.

 78, 64.023, 71.739

 78, 64.023, 71.739

 100, 64.023,
71.739

 68, 64.023, 71.739

 98, 64.023, 71.739

 58, 64.023, 71.739

 48, 64.023, 71.739

 38, 64.023, 71.739

 28, 64.023, 71.739

 18, 64.023, 71.739

 8, 64.023, 71.739

 0, 64.023, 71.739

 78, 64.023, 71.739

 78, 64.023, 71.739

75, 72.488, 70.173

81, 54.379, 73.519

73, 79.356, 67.937

84, 44.729, 74.976

70, 83.682, 65.046

87, 35.193, 76.380

70, 83.698, 65.035

90, 25.913, 77.748

93, 16.945, 79.084

97, 8.298, 80.372

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.



78, 64.023, 71.739



64, 57.263, 277.958

Rectangle

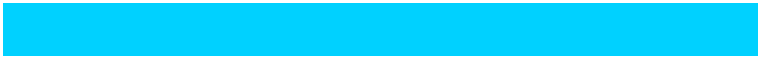
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 64.023, 71.739



78, 64.023, 121.739



78, 64.023, 251.739



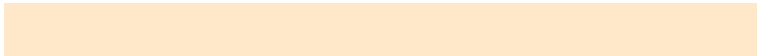
78, 64.023, 301.739

Sweetspot

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



78, 63.832, 71.958



93, 17.861, 78.947



61, 72.871, 356.502



49, 12.152, 78.581



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 63.832, 71.958



74, 75.544, 69.341



97, 82.696, 106.442



51, 4.732, 80.428



54, 67.270, 65.715



17, 27.133, 67.924

Inverse Universe

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



64, 57.263, 277.958



57, 69.034, 283.564



45, 103.336, 302.707



50, 4.668, 263.019



38, 65.637, 289.570



11, 26.462, 283.515

Previews

White Background



This preview shows how the CIELCh color 78, 64.023, 71.739 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 78, 64.023, 71.739 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 78, 64.023, 71.739

Background



This preview shows how black text looks on a background with the CIELCh color 78, 64.023, 71.739.



This preview shows how white text looks on a background with the CIELCh color 78, 64.023, 71.739.

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

78, 63.702, 72.091

Protanopia

78, 57.879, 95.280

Deuteranopia

78, 61.605, 80.573



Tritanopia
78, 33.851, 12.698

Trichromacy



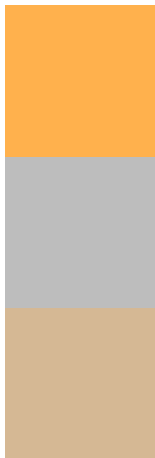
Original Color
78, 63.702, 72.091

Protanomaly
78, 58.893, 86.104

Deuteranomaly
78, 61.996, 77.623

Tritanomaly
78, 38.826, 45.779

Monochromacy



Original Color
78, 63.702, 72.091

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 22.720, 77.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 64.023, 71.739 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, 177, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 77)  
}
```

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, 177, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 64.023, 71.739 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, 177, 77) }
```

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

```
.border{ border-color:rgb(255, 177, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 64.023, 71.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 77) }
```

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

```
.background{ background-color: rgb(255,  
177, 77) }
```

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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