

Converting Colors

CIELCh(81, 70.414, 80.477)

Have a look what the booklet for
CIELCh(81, 70.414, 80.477) contains.

CIELCh(81, 70.471, 80.423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 70.471, 80.423)

Conversions

Conversions Part 1

Format	Color
Hex	<code>FEBE3E</code>
RGB	<code>254, 190, 62</code>
RGB Percent	<code>100%, 75%, 24%</code>
CMY	<code>0.0024, 0.2535, 0.7554</code>
CMYK	<code>0.00, 0.25, 0.75, 0.00</code>
HSL	<code>40°, 99%, 62%</code>
HSV	<code>40°, 75%, 100%</code>
XYZ	<code>60.3827, 58.4711, 12.7132</code>
YIQ	<code>194.5440, 79.2320, -26.2400</code>

Conversions

Conversions Part 2

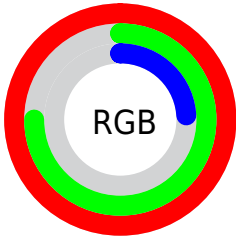
Format	Color
RYB	158, 254, 62
Decimal	16694846
CIELab	81.00, 11.72, 69.49
CIElCh	81, 70.471, 80.423
Yxy	58.4711, 0.4590, 0.4444
Android (android.graphics.Color)	4294884926 (0xFFFEBE3E)
YUV	194.5440, -65.3442, 52.1429
Hunter-Lab	76.4664, 7.1386, 43.6690

Details

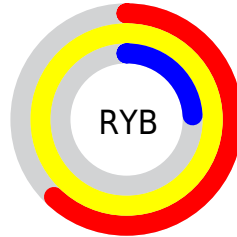
The CIELCh color **81, 70.471, 80.423** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **55, 73.321, 288.428**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 63.016, 101.872**, and **61, 67.283, 79.622** is the 20% darker color. If you saturate the color by 10%, you get **79, 77.202, 78.526**, and if you desaturate by 10%, it is **83, 62.035, 82.080**.

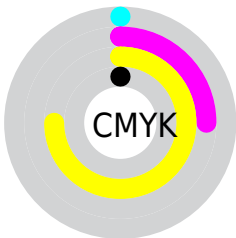
Distribution



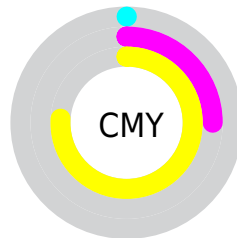
- Red (100%)
- Green (75%)
- Blue (24%)



- Red (62%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 70.471, 80.423 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 81, 70.471, 80.423 by changing the saturation by 10% instead.

81, 70.471, 80.423

81, 70.471, 80.423

100, 70.471,
80.423

71, 70.471, 80.423

61, 70.471, 80.423

51, 70.471, 80.423

41, 70.471, 80.423

31, 70.471, 80.423

21, 70.471, 80.423

11, 70.471, 80.423

1, 70.471, 80.423

0, 70.471, 80.423

81, 70.471, 80.423

81, 70.471, 80.423

79, 77.202, 78.526

83, 62.035, 82.080

77, 81.258, 76.190

86, 52.726, 83.603

76, 82.360, 75.007

88, 43.067, 85.054

90, 33.349, 86.456

93, 23.723, 87.816

96, 14.260, 89.131

98, 4.989, 90.372

100, 0.212,
202.520

Harmonies

Complementary

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



81, 70.471, 80.423



55, 73.321, 288.428

Rectangle

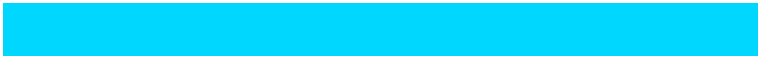
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 70.471, 80.423



81, 70.471, 130.423



81, 70.471, 260.423



81, 70.471, 310.423

Sweetspot

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



81, 70.470, 80.426



94, 21.397, 88.147



58, 75.069, 6.073



49, 14.865, 87.664



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 70.470, 80.426



78, 79.971, 77.302



95, 87.700, 111.330



52, 5.210, 89.888



58, 66.474, 75.552



19, 28.092, 78.320

Inverse Universe

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



55, 73.321, 288.428



48, 90.173, 294.122



43, 110.374, 305.129



50, 5.209, 272.399



33, 78.965, 296.680



8, 31.675, 291.541

Previews

White Background



This preview shows how the CIELCh color 81, 70.471, 80.423 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 81, 70.471, 80.423 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 81, 70.471, 80.423

Background



This preview shows how black text looks on a background with the CIELCh color 81, 70.471, 80.423.



This preview shows how white text looks on a background with the CIELCh color 81, 70.471, 80.423.

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

81, 70.471, 80.423

Protanopia

81, 68.020, 95.221

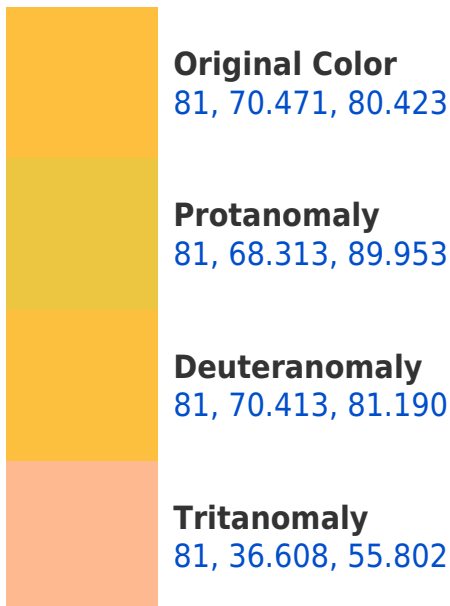
Deuteranopia

81, 70.216, 81.512

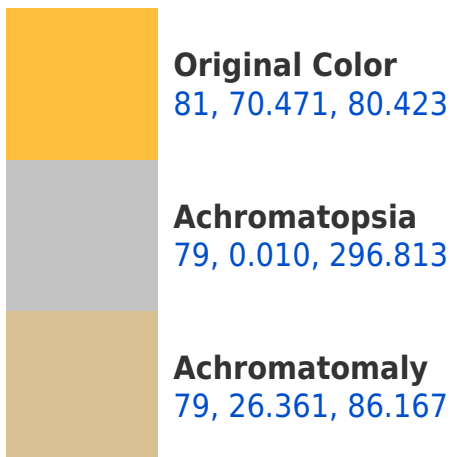


Tritanopia
81, 28.417, 10.186

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 70.471, 80.423 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, 190, 62)` looks like.

```
.text, #text, p{  
    color:rgb(254, 190, 62)  
}
```

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, 190, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 190, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 70.471, 80.423 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, 190, 62) }
```

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

```
.border{ border-color:rgb(254, 190, 62) }
```

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

Here you see how a box with a 4 pixel rgb(254, 190, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 190, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 190, 62);  
box-shadow:4px 4px 4px 4px rgb(254, 190,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 70.471, 80.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 190, 62) }
```

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

```
.background{ background-color: rgb(254,  
190, 62) }
```

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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