

Converting Colors

CIELCh(77, 77.027, 81.844)

Have a look what the booklet for
CIELCh(77, 77.027, 81.844) contains.

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Color

CIELCh(77, 77.130, 81.930)

Conversions

Conversions Part 1

Format	Color
Hex	F2B419
RGB	242, 180, 25
RGB Percent	95%, 71%, 10%
CMY	0.0514, 0.2945, 0.9026
CMYK	0.00, 0.26, 0.90, 0.05
HSL	43°, 89%, 52%
HSV	43°, 90%, 95%
XYZ	53.0565, 51.5317, 8.0608
YIQ	180.8680, 86.7070, -35.0610

Conversions

Conversions Part 2

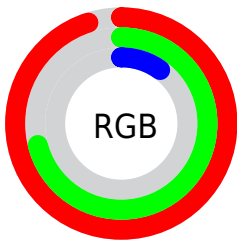
Format	Color
R _Y B	112, 242, 25
Decimal	15905817
CIE Lab	77.00, 10.83, 76.37
CIE LCh	77, 77.130, 81.930
Yxy	51.5317, 0.4710, 0.4575
Android (android.graphics.Color)	4294095897 (0xFFFF2B419)
YUV	180.8680, -76.8429, 53.6128
Hunter-Lab	71.7856, 6.3039, 43.5923

Details

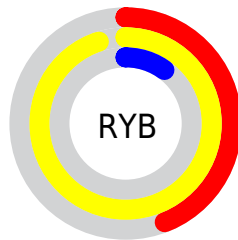
The CIELCh color **77, 77.130, 81.930** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **43, 91.619, 296.281**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 71.156, 98.007**, and **57, 63.914, 79.872** is the 20% darker color. If you saturate the color by 10%, you get **75, 79.670, 79.741**, and if you desaturate by 10%, it is **79, 71.985, 83.782**.

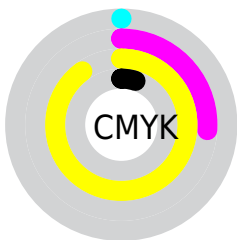
Distribution



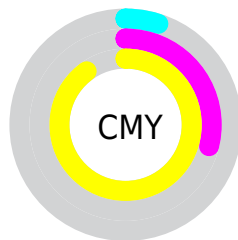
- Red (95%)
- Green (71%)
- Blue (10%)



- Red (44%)
- Yellow (95%)
- Blue (10%)



- Cyan (0%)
- Magenta (26%)
- Yellow (90%)
- Black (5%)



- Cyan (5%)
- Magenta (29%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 77.130, 81.930 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, 77.130, 81.930 by changing the saturation by 10% instead.

77, 77.130, 81.930

77, 77.130, 81.930

100, 77.130,
81.930

67, 77.130, 81.930

97, 77.130, 81.930

57, 77.130, 81.930

47, 77.130, 81.930

37, 77.130, 81.930

27, 77.130, 81.930

17, 77.130, 81.930

7, 77.130, 81.930

0, 77.130, 81.930

77, 77.130, 81.930

77, 77.130, 81.930

75, 79.670, 79.741

79, 71.985, 83.782

75, 79.729, 79.681

81, 64.692, 85.396

83, 56.111, 86.883

85, 46.877, 88.300

87, 37.375, 89.673

89, 27.823, 91.008

91, 18.334, 92.303

93, 8.965, 93.549

96, 0.259, 275.720

Harmonies

Complementary

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



77, 77.130, 81.930



43, 91.619, 296.281

Rectangle

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



77, 77.130, 81.930



77, 77.130, 131.930



77, 77.130, 261.930



77, 77.130, 311.930

Sweetspot

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



77, 77.129, 81.933



94, 26.329, 91.355



52, 80.354, 16.540



49, 17.780, 90.906



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, 77.129, 81.933



79, 82.967, 79.604



90, 92.892, 114.155



49, 5.196, 93.580



58, 64.900, 80.144



17, 25.299, 82.977

Inverse Universe

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



43, 91.619, 296.281



41, 107.210, 299.695



35, 120.811, 307.011



47, 5.220, 275.998



29, 82.092, 299.034



6, 29.929, 292.142

Previews

White Background



This preview shows how the CIELCh color 77, 77.130, 81.930 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, 77.130, 81.930 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, 77.130, 81.930

Background



This preview shows how black text looks on a background with the CIELCh color 77, 77.130, 81.930.



This preview shows how white text looks on a background with the CIELCh color 77, 77.130, 81.930.

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, 77.130, 81.930

Protanopia

77, 75.004, 94.994

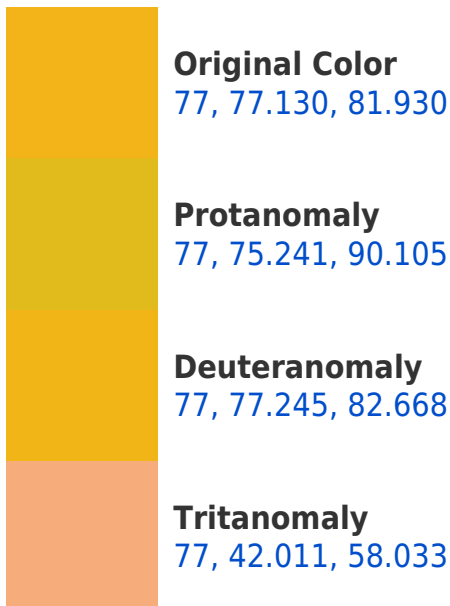
Deuteranopia

77, 77.245, 82.668



Tritanopia
77, 32.812, 10.413

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 77.130, 81.930 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(242, 180, 25)` looks like.

```
.text, #text, p{  
    color:rgb(242, 180, 25)  
}
```

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(242, 180, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 180, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 77.130, 81.930 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(242, 180, 25) }
```

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

```
.border{ border-color:rgb(242, 180, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 180, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 180, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 180, 25);  
box-shadow:4px 4px 4px 4px rgb(242, 180,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 77.130, 81.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 180, 25) }
```

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

```
.background{ background-color: rgb(242,  
180, 25) }
```

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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