

Converting Colors

CIELCh(78, 82.282, 78.280)

Have a look what the booklet for
CIELCh(78, 82.282, 78.280) contains.

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Color

CIELCh(78, 82.385, 78.332)

Conversions

Conversions Part 1

Format	Color
Hex	FEB303
RGB	254, 179, 3
RGB Percent	100%, 70%, 1%
CMY	0.0022, 0.2999, 0.9898
CMYK	0.00, 0.30, 0.99, 0.00
HSL	42°, 100%, 50%
HSV	42°, 99%, 100%
XYZ	57.0759, 53.2120, 7.3371
YIQ	181.3610, 101.1960, -38.8360

Conversions

Conversions Part 2

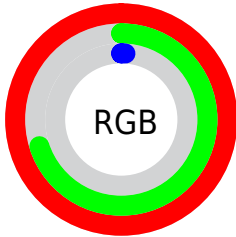
Format	Color
RYB	110, 254, 3
Decimal	16691971
CIELab	78.00, 16.66, 80.68
CIELCh	78, 82.385, 78.332
Yxy	53.2120, 0.4852, 0.4524
Android (android.graphics.Color)	4294882051 (0xFFFE303)
YUV	181.3610, -87.9320, 63.7044
Hunter-Lab	72.9466, 12.0082, 45.0991

Details

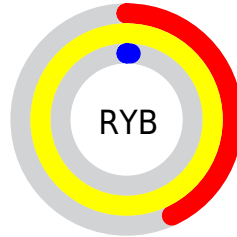
The CIELCh color **78, 82.385, 78.332** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **42, 103.513, 298.635**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 73.527, 97.656**, and **58, 66.404, 75.405** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.609, 78.091**, and if you desaturate by 10%, it is **80, 79.564, 80.638**.

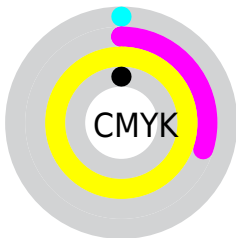
Distribution



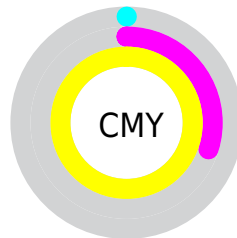
- Red (100%)
- Green (70%)
- Blue (1%)



- Red (43%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (30%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 82.385, 78.332 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, 82.385, 78.332 by changing the saturation by 10% instead.

 78, 82.385, 78.332

 78, 82.385, 78.332

 100, 82.385,
78.332

 68, 82.385, 78.332

 98, 82.385, 78.332

 58, 82.385, 78.332

 48, 82.385, 78.332

 38, 82.385, 78.332

 28, 82.385, 78.332

 18, 82.385, 78.332

 8, 82.385, 78.332

 0, 82.385, 78.332

 78, 82.385, 78.332

 78, 82.385, 78.332

78, 82.609, 78.091

80, 79.564, 80.638

82, 73.942, 82.545

84, 66.171, 84.197

86, 57.155, 85.712

88, 47.535, 87.151

90, 37.694, 88.542

93, 27.841, 89.893

95, 18.083, 91.202

98, 8.472, 92.458

Harmonies

Complementary

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



78, 82.385, 78.332



42, 103.513, 298.635

Rectangle

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



78, 82.385, 78.332



78, 82.385, 128.332



78, 82.385, 258.332



78, 82.385, 308.332

Sweetspot

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



78, 82.383, 78.335



93, 28.900, 89.755



54, 86.982, 20.257



48, 19.774, 89.189



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, 82.383, 78.335



78, 82.746, 78.087



94, 98.769, 113.909



52, 5.380, 92.393



60, 66.699, 78.581



20, 28.557, 81.293

Inverse Universe

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



42, 103.513, 298.635



42, 104.811, 298.954



34, 131.580, 306.990



50, 5.396, 274.854



31, 82.942, 298.366



8, 33.290, 293.474

Previews

White Background



This preview shows how the CIELCh color 78, 82.385, 78.332 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, 82.385, 78.332 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, 82.385, 78.332

Background



This preview shows how black text looks on a background with the CIELCh color 78, 82.385, 78.332.



This preview shows how white text looks on a background with the CIELCh color 78, 82.385, 78.332.

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, 82.275, 78.623

Protanopia

78, 77.980, 95.130

Deuteranopia

78, 80.973, 83.017



Tritanopia
78, 33.414, 13.422

Trichromacy



Original Color
78, 82.275, 78.623

Protanomaly
78, 78.594, 88.749

Deuteranomaly
78, 81.415, 81.087

Tritanomaly
78, 48.228, 59.980

Monochromacy



Original Color
78, 82.275, 78.623

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 36.320, 87.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 82.385, 78.332 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, 179, 3)` looks like.

```
.text, #text, p{  
    color:rgb(254, 179, 3)  
}
```

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, 179, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 179, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 82.385, 78.332 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, 179, 3) }
```

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

```
.border{ border-color:rgb(254, 179, 3) }
```

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

Here you see how a box with a 4 pixel rgb(254, 179, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 179, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 179, 3);  
box-shadow:4px 4px 4px 4px rgb(254, 179,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 82.385, 78.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 179, 3) }
```

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

```
.background{ background-color: rgb(254,  
179, 3) }
```

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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