

Converting Colors

CIELCh(78, 82.823, 78.674)

Have a look what the booklet for
CIELCh(78, 82.823, 78.674) contains.

CIELCh(78, 82.578, 78.682)	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(78, 82.578, 78.682)

Conversions

Conversions Part 1

Format	Color
Hex	FEB300
RGB	254, 179, 0
RGB Percent	100%, 70%, 0%
CMY	0.0047, 0.2986, 1.0000
CMYK	0.00, 0.30, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	56.8913, 53.2120, 7.2591
YIQ	181.0190, 102.1590, -39.7690

Conversions

Conversions Part 2

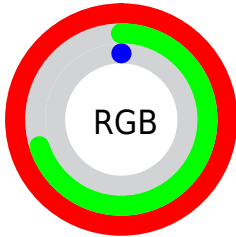
Format	Color
RYB	106, 254, 0
Decimal	16691968
CIELab	78.00, 16.21, 80.97
CIElCh	78, 82.578, 78.682
Yxy	53.2120, 0.4847, 0.4534
Android (android.graphics.Color)	4294882048 (0xFFFEb300)
YUV	181.0190, -89.2424, 64.0043
Hunter-Lab	72.9466, 11.5564, 45.1625

Details

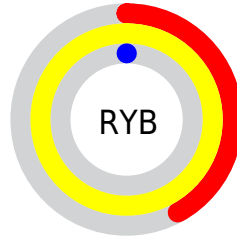
The CIELCh color **78, 82.578, 78.682** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **41, 105.336, 299.235**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 73.902, 97.657**, and **58, 66.404, 75.405** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.531, 78.676**, and if you desaturate by 10%, it is **80, 79.957, 80.964**.

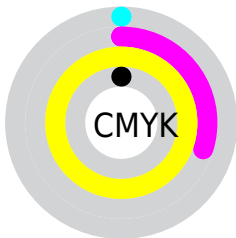
Distribution



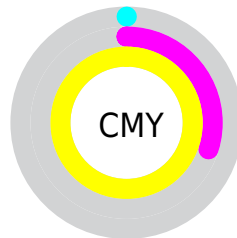
- Red (100%)
- Green (70%)
- Blue (0%)



- Red (42%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 82.578, 78.682 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, 82.578, 78.682 by changing the saturation by 10% instead.

 78, 82.578, 78.682

 78, 82.578, 78.682

 100, 82.578,
78.682

 68, 82.578, 78.682

 98, 82.578, 78.682

 58, 82.578, 78.682

 48, 82.578, 78.682

 38, 82.578, 78.682

 28, 82.578, 78.682

 18, 82.578, 78.682

 8, 82.578, 78.682

 0, 82.578, 78.682

 78, 82.578, 78.682

 78, 82.578, 78.682

78, 82.531, 78.676

80, 79.957, 80.964

82, 74.667, 82.879

84, 67.117, 84.533

86, 58.222, 86.047

88, 48.654, 87.484

90, 38.820, 88.873

92, 28.946, 90.222

95, 19.150, 91.531

97, 9.490, 92.789

Harmonies

Complementary

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



78, 82.578, 78.682



41, 105.336, 299.235

Rectangle

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



78, 82.578, 78.682



78, 82.578, 128.682



78, 82.578, 258.682



78, 82.578, 308.682

Sweetspot

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



78, 82.531, 78.676



93, 29.056, 90.221



54, 87.973, 22.338



48, 19.878, 89.657



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, 82.531, 78.676



78, 82.822, 78.669



93, 99.195, 114.920



52, 5.413, 92.849



60, 66.766, 79.151



20, 28.654, 81.843

Inverse Universe

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



41, 105.336, 299.235



42, 105.735, 299.243



34, 131.586, 307.131



50, 5.433, 275.299



31, 83.683, 298.664



7, 33.585, 293.801

Previews

White Background



This preview shows how the CIELCh color 78, 82.578, 78.682 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, 82.578, 78.682 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, 82.578, 78.682

Background



This preview shows how black text looks on a background with the CIELCh color 78, 82.578, 78.682.



This preview shows how white text looks on a background with the CIELCh color 78, 82.578, 78.682.

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, 82.578, 78.682

Protanopia

78, 77.980, 95.130

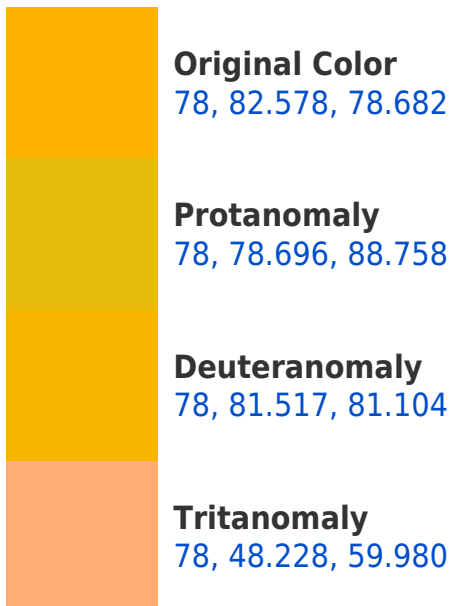
Deuteranopia

78, 80.973, 83.017



Tritanopia
78, 33.414, 13.422

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 82.578, 78.682 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 179, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 179, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 82.578, 78.682 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, 0) }
```

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

```
.border{ border-color:rgb(254, 179, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 179,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 82.578, 78.682 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, 0) }
```

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

```
.background{ background-color: rgb(254,  
179, 0) }
```

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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