

Converting Colors

CIELCh(80, 81.057, 81.583)

Have a look what the booklet for
CIELCh(80, 81.057, 81.583) contains.

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Color

CIELCh(80, 81.092, 81.342)

Conversions

Conversions Part 1

Format	Color
Hex	<code>FEBB13</code>
RGB	<code>254, 187, 19</code>
RGB Percent	<code>100%, 73%, 7%</code>
CMY	<code>0.0038, 0.2665, 0.9251</code>
CMYK	<code>0.00, 0.26, 0.92, 0.00</code>
HSL	<code>43°, 99%, 54%</code>
HSV	<code>43°, 92%, 100%</code>
XYZ	<code>58.7839, 56.6813, 8.4619</code>
YIQ	<code>187.8810, 93.8600, -38.0440</code>

Conversions

Conversions Part 2

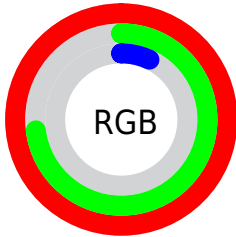
Format	Color
R _Y B	113, 254, 19
Decimal	16694035
CIE Lab	80.00, 12.21, 80.17
CIE LCh	80, 81.092, 81.342
Yxy	56.6813, 0.4743, 0.4574
Android (android.graphics.Color)	4294884115 (0xFFFE _B B13)
YUV	187.8810, -83.2583, 57.9864
Hunter-Lab	75.2870, 7.6202, 46.0369

Details

The CIELCh color **80, 81.092, 81.342** 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 **44, 98.574, 297.314**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 73.927, 100.448**, and **60, 66.886, 78.511** is the 20% darker color. If you saturate the color by 10%, you get **79, 82.737, 79.648**, and if you desaturate by 10%, it is **82, 76.581, 83.297**.

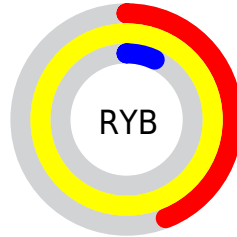
Distribution



Red (100%)

Green (73%)

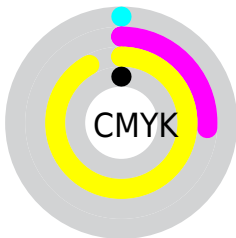
Blue (7%)



Red (44%)

Yellow (100%)

Blue (7%)

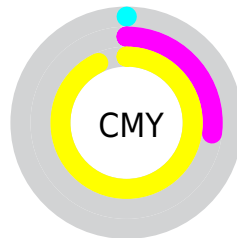


Cyan (0%)

Magenta (26%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 81.092, 81.342 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 80, 81.092, 81.342 by changing the saturation by 10% instead.

 80, 81.092, 81.342

 80, 81.092, 81.342

 100, 81.092,
81.342

 70, 81.092, 81.342

 60, 81.092, 81.342

 50, 81.092, 81.342

 40, 81.092, 81.342

 30, 81.092, 81.342

 20, 81.092, 81.342

 10, 81.092, 81.342

 0, 81.092, 81.342

 80, 81.092, 81.342

 80, 81.092, 81.342

79, 82.737, 79.648

82, 76.581, 83.297

84, 69.558, 84.970

86, 60.942, 86.489

88, 51.480, 87.926

90, 41.643, 89.314

92, 31.700, 90.662

94, 21.797, 91.972

97, 12.006, 93.237

99, 2.361, 94.383

Harmonies

Complementary

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



80, 81.092, 81.342



44, 98.574, 297.314

Rectangle

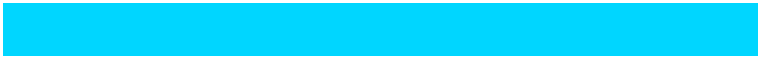
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 81.092, 81.342



80, 81.092, 131.342



80, 81.092, 261.342



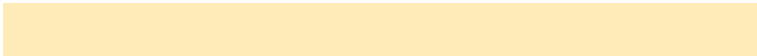
80, 81.092, 311.342

Sweetspot

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



80, 81.091, 81.345



93, 27.332, 91.254



54, 84.791, 18.134



49, 18.920, 90.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 81.091, 81.345



79, 82.973, 79.642



94, 97.451, 114.337



52, 5.470, 93.602



61, 66.896, 80.106



20, 28.821, 82.757

Inverse Universe

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



44, 98.574, 297.314



41, 107.270, 299.713



36, 127.631, 307.096



50, 5.495, 276.034



31, 84.917, 299.148



7, 34.071, 294.321

Previews

White Background



This preview shows how the CIELCh color 80, 81.092, 81.342 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 80, 81.092, 81.342 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 80, 81.092, 81.342

Background



This preview shows how black text looks on a background with the CIELCh color 80, 81.092, 81.342.



This preview shows how white text looks on a background with the CIELCh color 80, 81.092, 81.342.

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

80, 81.092, 81.342

Protanopia

80, 78.401, 94.985

Deuteranopia

80, 80.922, 82.626



Tritanopia
80, 30.068, 11.014

Trichromacy



Original Color
80, 81.092, 81.342

Protanomaly
80, 78.881, 90.035

Deuteranomaly
80, 80.965, 82.317

Tritanomaly
80, 43.483, 61.199

Monochromacy



Original Color
80, 81.092, 81.342

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 33.982, 89.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 81.092, 81.342 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, 187, 19)` looks like.

```
.text, #text, p{  
    color:rgb(254, 187, 19)  
}
```

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, 187, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 187, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 81.092, 81.342 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, 187, 19) }
```

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

```
.border{ border-color:rgb(254, 187, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 187, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 187, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 187, 19);  
box-shadow:4px 4px 4px 4px rgb(254, 187,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 81.092, 81.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 187, 19) }
```

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

```
.background{ background-color: rgb(254,  
187, 19) }
```

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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