

Converting Colors

CIELCh(80, 76.545, 90.156)

Have a look what the booklet for
CIELCh(80, 76.545, 90.156) contains.

CIELCh(80, 76.418, 90.187)	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(80, 76.418, 90.187)

Conversions

Conversions Part 1

Format	Color
Hex	EAC322
RGB	234, 195, 34
RGB Percent	92%, 76%, 13%
CMY	0.0821, 0.2350, 0.8662
CMYK	0.00, 0.17, 0.85, 0.08
HSL	48°, 83%, 53%
HSV	48°, 85%, 92%
XYZ	53.7765, 56.6813, 9.6272
YIQ	188.3070, 74.9250, -41.8030

Conversions

Conversions Part 2

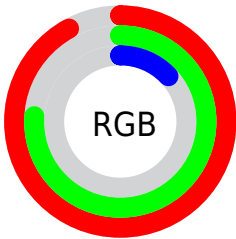
Format	Color
RYB	82, 234, 34
Decimal	15385378
CIELab	80.00, -0.25, 76.42
CIElCh	80, 76.418, 90.187
Yxy	56.6813, 0.4478, 0.4720
Android (android.graphics.Color)	4293575458 (0xFFEAC322)
YUV	188.3070, -76.0734, 40.0728
Hunter-Lab	75.2870, -4.2520, 45.1193

Details

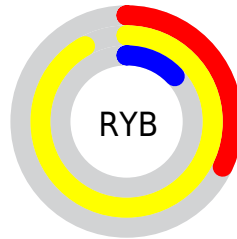
The CIELCh color **80, 76.418, 90.187** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **40, 95.867, 299.103**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 73.714, 103.195**, and **60, 64.545, 89.730** is the 20% darker color. If you saturate the color by 10%, you get **79, 79.441, 88.744**, and if you desaturate by 10%, it is **81, 70.767, 91.520**.

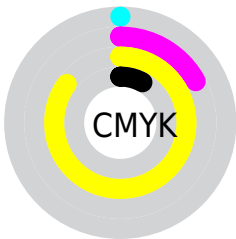
Distribution



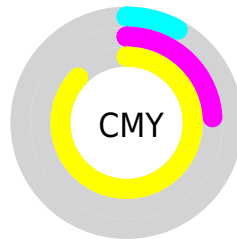
- Red (92%)
- Green (76%)
- Blue (13%)



- Red (32%)
- Yellow (92%)
- Blue (13%)



- Cyan (0%)
- Magenta (17%)
- Yellow (85%)
- Black (8%)



- Cyan (8%)
- Magenta (24%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 76.418, 90.187 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, 76.418, 90.187 by changing the saturation by 10% instead.

 80, 76.418, 90.187

 80, 76.418, 90.187

 100, 76.418,
90.187

 70, 76.418, 90.187

 60, 76.418, 90.187

 50, 76.418, 90.187

 40, 76.418, 90.187

 30, 76.418, 90.187

 20, 76.418, 90.187

 10, 76.418, 90.187

 0, 76.418, 90.187

 80, 76.418, 90.187

 80, 76.418, 90.187

79, 79.441, 88.744

81, 70.767, 91.520

78, 80.165, 88.048

83, 63.184, 92.797

84, 54.394, 94.053

85, 44.930, 95.297

87, 35.131, 96.528

88, 25.198, 97.740

90, 15.246, 98.923

92, 5.337, 100.056

94, 4.494, 281.243

Harmonies

Complementary

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



80, 76.418, 90.187



40, 95.867, 299.103

Rectangle

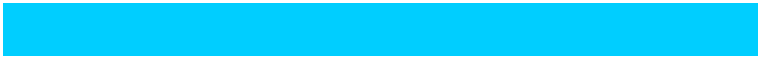
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 76.418, 90.187



80, 76.418, 140.187



80, 76.418, 270.187



80, 76.418, 320.187

Sweetspot

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



80, 76.417, 90.190



95, 27.620, 97.657



51, 78.903, 22.704



50, 18.732, 97.237



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, 76.417, 90.190



85, 85.494, 87.968



86, 90.796, 118.797



48, 5.609, 99.608



62, 66.234, 88.327



18, 25.814, 90.826

Inverse Universe

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



40, 95.867, 299.103



37, 119.604, 303.089



37, 112.487, 308.305



46, 5.676, 281.851



25, 90.871, 302.563



4, 30.940, 293.736

Previews

White Background



This preview shows how the CIELCh color 80, 76.418, 90.187 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, 76.418, 90.187 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, 76.418, 90.187

Background



This preview shows how black text looks on a background with the CIELCh color 80, 76.418, 90.187.



This preview shows how white text looks on a background with the CIELCh color 80, 76.418, 90.187.

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, 76.418, 90.187

Protanopia

80, 76.169, 94.957

Deuteranopia

80, 76.451, 82.220



Tritanopia
80, 24.530, 4.051

Trichromacy



Original Color
80, 76.418, 90.187

Protanomaly
80, 76.245, 93.271

Deuteranomaly
80, 76.347, 85.355

Tritanomaly
80, 35.044, 68.539

Monochromacy



Original Color
80, 76.418, 90.187

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 31.801, 96.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 76.418, 90.187 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(234, 195, 34)` looks like.

```
.text, #text, p{  
    color:rgb(234, 195, 34)  
}
```

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(234, 195, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 195, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 76.418, 90.187 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(234, 195, 34) }
```

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

```
.border{ border-color:rgb(234, 195, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 195, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 195, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 195, 34);  
box-shadow:4px 4px 4px 4px rgb(234, 195,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 76.418, 90.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 195, 34) }
```

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

```
.background{ background-color: rgb(234,  
195, 34) }
```

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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