

Converting Colors

CIELCh(80, 71.054, 81.950)

Have a look what the booklet for
CIELCh(80, 71.054, 81.950) contains.

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Color

CIELCh(80, 71.054, 81.950)

Conversions

Conversions Part 1

Format	Color
Hex	F9BD39
RGB	249, 189, 57
RGB Percent	98%, 74%, 22%
CMY	0.0246, 0.2597, 0.7774
CMYK	0.00, 0.24, 0.77, 0.02
HSL	41°, 94%, 60%
HSV	41°, 77%, 98%
XYZ	57.8545, 56.6813, 11.7295
YIQ	191.8920, 78.1320, -28.3320

Conversions

Conversions Part 2

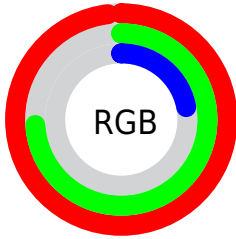
Format	Color
RYB	144, 249, 57
Decimal	16366905
CIELab	80.00, 9.95, 70.35
CIELCh	80, 71.054, 81.950
Yxy	56.6813, 0.4582, 0.4489
Android (android.graphics.Color)	4294556985 (0xFFFF9BD39)
YUV	191.8920, -66.5018, 50.0837
Hunter-Lab	75.2870, 5.4166, 43.4637

Details

The CIELCh color **80, 71.054, 81.950** 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 **52, 76.237, 290.384**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 64.816, 101.433**, and **60, 66.177, 80.935** is the 20% darker color. If you saturate the color by 10%, you get **78, 77.128, 80.068**, and if you desaturate by 10%, it is **82, 63.083, 83.594**.

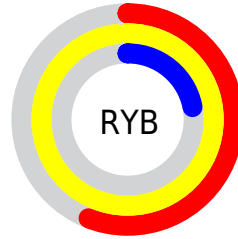
Distribution



Red (98%)

Green (74%)

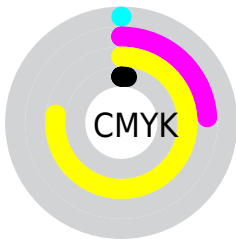
Blue (22%)



Red (56%)

Yellow (98%)

Blue (22%)

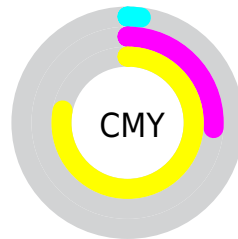


Cyan (0%)

Magenta (24%)

Yellow (77%)

Black (2%)



Cyan (2%)

Magenta (26%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 71.054, 81.950 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, 71.054, 81.950 by changing the saturation by 10% instead.

 80, 71.054, 81.950

 80, 71.054, 81.950

 100, 71.054,
81.950

 70, 71.054, 81.950

 60, 71.054, 81.950

 50, 71.054, 81.950

 40, 71.054, 81.950

 30, 71.054, 81.950

 20, 71.054, 81.950

 10, 71.054, 81.950

 0, 71.054, 81.950

 80, 71.054, 81.950

 80, 71.054, 81.950

78, 77.128, 80.068

82, 63.083, 83.594

76, 80.450, 77.771

84, 54.070, 85.106

76, 81.095, 77.081

86, 44.584, 86.545

89, 34.955, 87.937

91, 25.359, 89.288

94, 15.884, 90.596

96, 6.571, 91.843

99, 2.208, 270.260

100, 2.171,
199.573

Harmonies

Complementary

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



80, 71.054, 81.950



52, 76.237, 290.384

Rectangle

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



80, 71.054, 81.950



80, 71.054, 131.950



80, 71.054, 261.950



80, 71.054, 311.950

Sweetspot

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



80, 71.053, 81.953



94, 21.813, 89.837



56, 74.853, 9.438



49, 15.146, 89.359



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, 71.053, 81.953



79, 80.968, 78.763



93, 87.809, 112.980



51, 5.234, 91.563



59, 65.937, 77.581



19, 27.246, 80.358

Inverse Universe

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



52, 76.237, 290.384



46, 95.475, 296.063



41, 110.307, 305.847



49, 5.244, 274.036



31, 80.712, 297.783



7, 31.570, 292.425

Previews

White Background



This preview shows how the CIELCh color 80, 71.054, 81.950 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, 71.054, 81.950 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, 71.054, 81.950

Background



This preview shows how black text looks on a background with the CIELCh color 80, 71.054, 81.950.



This preview shows how white text looks on a background with the CIELCh color 80, 71.054, 81.950.

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, 71.054, 81.950

Protanopia

80, 69.046, 95.152

Deuteranopia

80, 71.054, 81.950



Tritanopia
80, 30.573, 9.252

Trichromacy



Original Color
80, 71.054, 81.950

Protanomaly
80, 69.220, 90.289

Deuteranomaly
80, 71.054, 81.950

Tritanomaly
80, 37.155, 54.474

Monochromacy



Original Color
80, 71.054, 81.950

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 27.105, 88.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 71.054, 81.950 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(249, 189, 57)` looks like.

```
.text, #text, p{  
    color:rgb(249, 189, 57)  
}
```

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(249, 189, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 189, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 71.054, 81.950 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(249, 189, 57) }
```

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

```
.border{ border-color:rgb(249, 189, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 189, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 189, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 189, 57);  
box-shadow:4px 4px 4px 4px rgb(249, 189,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 71.054, 81.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 189, 57) }
```

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

```
.background{ background-color: rgb(249,  
189, 57) }
```

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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