

Converting Colors

CIELCh(81, 71.875, 94.971)

Have a look what the booklet for
CIELCh(81, 71.875, 94.971) contains.

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Color

CIELCh(81, 71.857, 94.939)

Conversions

Conversions Part 1

Format	Color
Hex	E2C935
RGB	226, 201, 53
RGB Percent	89%, 79%, 21%
CMY	0.1119, 0.2101, 0.7903
CMYK	0.00, 0.11, 0.76, 0.11
HSL	51°, 75%, 55%
HSV	51°, 76%, 89%
XYZ	53.1444, 58.4711, 11.9108
YIQ	191.6030, 62.4080, -40.7280

Conversions

Conversions Part 2

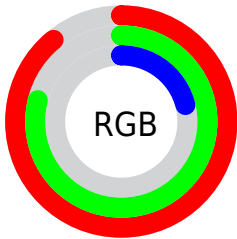
Format	Color
RYB	82, 226, 53
Decimal	14862645
CIELab	81.00, -6.19, 71.59
CIELCh	81, 71.857, 94.939
Yxy	58.4711, 0.4302, 0.4733
Android (android.graphics.Color)	4293052725 (0xFFE2C935)
YUV	191.6030, -68.3313, 30.1662
Hunter-Lab	76.4664, -9.7582, 44.2912

Details

The CIELCh color **81, 71.857, 94.939** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **41, 88.103, 298.522**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 69.574, 104.857**, and **61, 65.010, 94.555** is the 20% darker color. If you saturate the color by 10%, you get **80, 77.072, 93.857**, and if you desaturate by 10%, it is **82, 64.614, 96.042**.

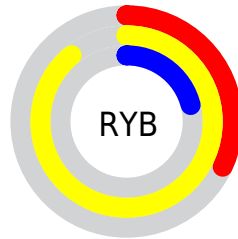
Distribution



Red (89%)

Green (79%)

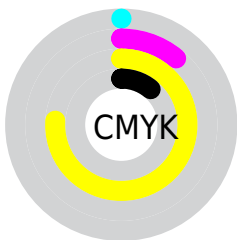
Blue (21%)



Red (32%)

Yellow (89%)

Blue (21%)

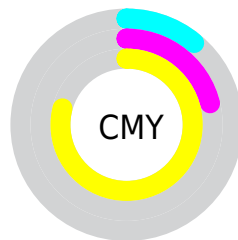


Cyan (0%)

Magenta (11%)

Yellow (76%)

Black (11%)



Cyan (11%)

Magenta (21%)

Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 71.857, 94.939 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 81, 71.857, 94.939 by changing the saturation by 10% instead.

 81, 71.857, 94.939

 81, 71.857, 94.939

 100, 71.857,
94.939

 71, 71.857, 94.939

 61, 71.857, 94.939

 51, 71.857, 94.939

 41, 71.857, 94.939

 31, 71.857, 94.939

 21, 71.857, 94.939

 11, 71.857, 94.939

 1, 71.857, 94.939

 0, 71.857, 94.939

81, 71.857, 94.939

81, 71.857, 94.939

80, 77.072, 93.857

82, 64.614, 96.042

79, 79.706, 92.757

83, 56.024, 97.166

79, 80.267, 92.355

84, 46.628, 98.308

85, 36.791, 99.458

87, 26.735,
100.602

88, 16.595,
101.729

89, 6.448, 102.821

91, 3.660, 283.954

92, 12.528,
284.243

Harmonies

Complementary

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



81, 71.857, 94.939



41, 88.103, 298.522

Rectangle

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



81, 71.857, 94.939



81, 71.857, 144.939



81, 71.857, 274.939



81, 71.857, 324.939

Sweetspot

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



81, 71.857, 94.942



97, 25.665, 100.969



51, 71.681, 22.413



51, 17.761, 100.556



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 71.857, 94.942



88, 86.444, 93.177



83, 83.969, 120.625



47, 5.700, 102.494



63, 66.561, 92.550



17, 24.334, 95.024

Inverse Universe

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



41, 88.103, 298.522



38, 117.121, 302.768



41, 99.724, 308.940



44, 5.787, 284.630



23, 93.201, 303.938



3, 28.478, 292.665

Previews

White Background



This preview shows how the CIELCh color 81, 71.857, 94.939 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 81, 71.857, 94.939 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 81, 71.857, 94.939

Background



This preview shows how black text looks on a background with the CIELCh color 81, 71.857, 94.939.



This preview shows how white text looks on a background with the CIELCh color 81, 71.857, 94.939.

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

81, 71.857, 94.939

Protanopia

81, 71.819, 95.320

Deuteranopia

81, 71.591, 81.799



Tritanopia
81, 20.074, 359.534

Trichromacy



Original Color
81, 71.857, 94.939

Protanomaly
81, 71.819, 95.320

Deuteranomaly
81, 71.400, 86.584

Tritanomaly
81, 29.415, 73.173

Monochromacy



Original Color
81, 71.857, 94.939

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 28.326, 99.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 71.857, 94.939 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(226, 201, 53)` looks like.

```
.text, #text, p{  
    color:rgb(226, 201, 53)  
}
```

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(226, 201, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 201, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 71.857, 94.939 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(226, 201, 53) }
```

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

```
.border{ border-color:rgb(226, 201, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 201, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 201, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 201, 53);  
box-shadow:4px 4px 4px 4px rgb(226, 201,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 71.857, 94.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 201, 53) }
```

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

```
.background{ background-color: rgb(226,  
201, 53) }
```

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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