

Converting Colors

CIELCh(81, 72.795, 94.962)

Have a look what the booklet for
CIELCh(81, 72.795, 94.962) contains.

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Color

CIELCh(81, 72.566, 94.611)

Conversions

Conversions Part 1

Format	Color
Hex	E3C933
RGB	227, 201, 51
RGB Percent	89%, 79%, 20%
CMY	0.1090, 0.2110, 0.7991
CMYK	0.00, 0.11, 0.77, 0.11
HSL	51°, 76%, 55%
HSV	51°, 77%, 89%
XYZ	53.2811, 58.4711, 11.6362
YIQ	191.6740, 63.6460, -41.1380

Conversions

Conversions Part 2

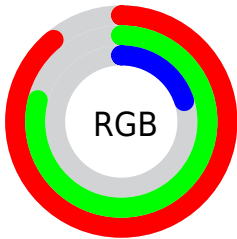
Format	Color
RYB	82, 227, 51
Decimal	14928179
CIELab	81.00, -5.83, 72.33
CIElCh	81, 72.566, 94.611
Yxy	58.4711, 0.4318, 0.4739
Android (android.graphics.Color)	4293118259 (0xFFE3C933)
YUV	191.6740, -69.3523, 30.9809
Hunter-Lab	76.4664, -9.4390, 44.5041

Details

The CIELCh color **81, 72.566, 94.611** 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, 89.348, 298.700**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 70.406, 104.794**, and **61, 65.010, 94.555** is the 20% darker color. If you saturate the color by 10%, you get **80, 77.538, 93.513**, and if you desaturate by 10%, it is **82, 65.489, 95.723**.

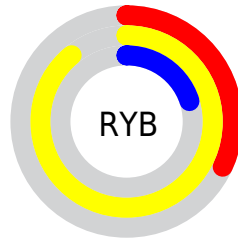
Distribution



Red (89%)

Green (79%)

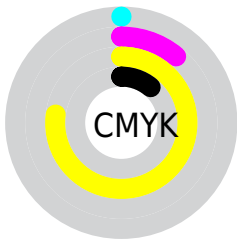
Blue (20%)



Red (32%)

Yellow (89%)

Blue (20%)

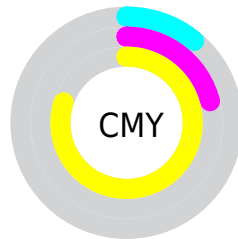


Cyan (0%)

Magenta (11%)

Yellow (77%)

Black (11%)



Cyan (11%)

Magenta (21%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 72.566, 94.611 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, 72.566, 94.611 by changing the saturation by 10% instead.

81, 72.566, 94.611

81, 72.566, 94.611

100, 72.566,
94.611

71, 72.566, 94.611

61, 72.566, 94.611

51, 72.566, 94.611

41, 72.566, 94.611

31, 72.566, 94.611

21, 72.566, 94.611

11, 72.566, 94.611

1, 72.566, 94.611

0, 72.566, 94.611

81, 72.566, 94.611

81, 72.566, 94.611

80, 77.538, 93.513

82, 65.489, 95.723

79, 79.929, 92.388

83, 56.999, 96.854

79, 80.326, 92.099

84, 47.659, 98.001

85, 37.850, 99.156

87, 27.807,
100.306

88, 17.672,
101.439

89, 7.527, 102.540

91, 2.581, 283.693

92, 12.253,
284.454

Harmonies

Complementary

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



81, 72.566, 94.611



41, 89.348, 298.700

Rectangle

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



81, 72.566, 94.611



81, 72.566, 144.611



81, 72.566, 274.611



81, 72.566, 324.611

Sweetspot

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



81, 72.566, 94.614



97, 25.586, 100.796



51, 72.761, 22.869



51, 17.708, 100.382



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, 72.566, 94.614



88, 86.525, 92.827



84, 84.964, 120.652



48, 5.788, 102.323



63, 67.152, 92.289



18, 25.591, 94.574

Inverse Universe

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



41, 89.348, 298.700



38, 117.875, 302.908



40, 101.181, 308.988



45, 5.875, 284.471



24, 94.024, 303.884



4, 30.243, 293.691

Previews

White Background



This preview shows how the CIELCh color 81, 72.566, 94.611 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, 72.566, 94.611 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, 72.566, 94.611

Background



This preview shows how black text looks on a background with the CIELCh color 81, 72.566, 94.611.



This preview shows how white text looks on a background with the CIELCh color 81, 72.566, 94.611.

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, 72.566, 94.611

Protanopia

81, 72.766, 95.339

Deuteranopia

81, 72.448, 81.617



Tritanopia
81, 20.074, 359.534

Trichromacy



Original Color
81, 72.566, 94.611

Protanomaly
81, 72.766, 95.339

Deuteranomaly
81, 72.206, 86.342

Tritanomaly
81, 29.864, 73.664

Monochromacy



Original Color
81, 72.566, 94.611

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 28.842, 99.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 72.566, 94.611 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(227, 201, 51)` looks like.

```
.text, #text, p{  
    color:rgb(227, 201, 51)  
}
```

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(227, 201, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 201, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 72.566, 94.611 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(227, 201, 51) }
```

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

```
.border{ border-color:rgb(227, 201, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 201, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 201, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 201, 51);  
box-shadow:4px 4px 4px 4px rgb(227, 201,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 72.566, 94.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 201, 51) }
```

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

```
.background{ background-color: rgb(227,  
201, 51) }
```

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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