

Converting Colors

CIELCh(80, 74.405, 94.927)

Have a look what the booklet for
CIELCh(80, 74.405, 94.927) contains.

CIELCh(80, 74.406, 94.927)	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, 74.406, 94.927)

Conversions

Conversions Part 1

Format	Color
Hex	E0C72A
RGB	224, 199, 42
RGB Percent	88%, 78%, 16%
CMY	0.1228, 0.2207, 0.8367
CMYK	0.00, 0.11, 0.81, 0.12
HSL	52°, 74%, 52%
HSV	52°, 81%, 88%
XYZ	51.4162, 56.6813, 10.3875
YIQ	188.5770, 65.2970, -43.5270

Conversions

Conversions Part 2

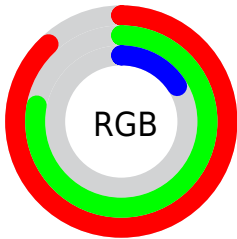
Format	Color
RYB	71, 224, 42
Decimal	14731050
CIELab	80.00, -6.39, 74.13
CIElCh	80, 74.406, 94.927
Yxy	56.6813, 0.4339, 0.4784
Android (android.graphics.Color)	4292921130 (0xFFE0C72A)
YUV	188.5770, -72.2625, 31.0660
Hunter-Lab	75.2870, -9.8481, 44.5205

Details

The CIELCh color **80, 74.406, 94.927** 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 **38, 94.198, 300.169**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 72.857, 104.610**, and **60, 64.552, 95.330** is the 20% darker color. If you saturate the color by 10%, you get **79, 78.338, 93.888**, and if you desaturate by 10%, it is **81, 68.144, 95.987**.

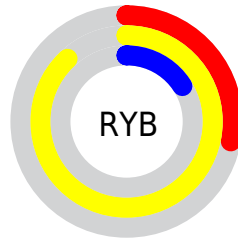
Distribution



Red (88%)

Green (78%)

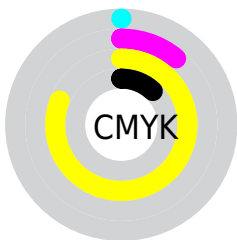
Blue (16%)



Red (28%)

Yellow (88%)

Blue (16%)

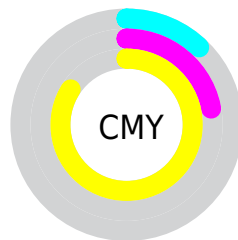


Cyan (0%)

Magenta (11%)

Yellow (81%)

Black (12%)



Cyan (12%)

Magenta (22%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 74.406, 94.927 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, 74.406, 94.927 by changing the saturation by 10% instead.

 80, 74.406, 94.927

 80, 74.406, 94.927

 100, 74.406,
94.927

 70, 74.406, 94.927

 60, 74.406, 94.927

 50, 74.406, 94.927

 40, 74.406, 94.927

 30, 74.406, 94.927

 20, 74.406, 94.927

 10, 74.406, 94.927

 0, 74.406, 94.927

 80, 74.406, 94.927

 80, 74.406, 94.927

79, 78.338, 93.888

81, 68.144, 95.987

78, 79.883, 92.982

82, 60.210, 97.076

83, 51.219, 98.192

84, 41.618, 99.324

85, 31.692,
100.461

86, 21.616,
101.588

88, 11.493,
102.692

89, 1.384, 103.688

90, 8.678, 284.848

Harmonies

Complementary

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



80, 74.406, 94.927



38, 94.198, 300.169

Rectangle

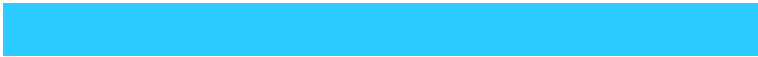
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 74.406, 94.927



80, 74.406, 144.927



80, 74.406, 274.927



80, 74.406, 324.927

Sweetspot

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



80, 74.406, 94.929



97, 26.981, 101.275



49, 74.978, 24.569



51, 18.530, 100.870



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, 74.406, 94.929



88, 87.868, 93.114



82, 86.519, 120.791



47, 5.746, 102.902



63, 66.852, 93.156



17, 24.509, 95.564

Inverse Universe

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



38, 94.198, 300.169



35, 124.084, 304.228



38, 104.001, 309.127



44, 5.836, 285.025



23, 93.791, 304.121



3, 28.641, 292.848

Previews

White Background



This preview shows how the CIELCh color 80, 74.406, 94.927 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, 74.406, 94.927 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, 74.406, 94.927

Background



This preview shows how black text looks on a background with the CIELCh color 80, 74.406, 94.927.



This preview shows how white text looks on a background with the CIELCh color 80, 74.406, 94.927.

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, 74.406, 94.927

Protanopia

80, 74.332, 95.264

Deuteranopia

80, 74.257, 81.821



Tritanopia
80, 20.131, 359.565

Trichromacy



Original Color
80, 74.406, 94.927

Protanomaly
80, 74.332, 95.264

Deuteranomaly
80, 73.779, 86.763

Tritanomaly
79, 30.871, 74.536

Monochromacy



Original Color
80, 74.406, 94.927

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 30.413, 100.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 74.406, 94.927 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(224, 199, 42)` looks like.

```
.text, #text, p{  
    color:rgb(224, 199, 42)  
}
```

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(224, 199, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 199, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 74.406, 94.927 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(224, 199, 42) }
```

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

```
.border{ border-color:rgb(224, 199, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 199, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 199, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 199, 42);  
box-shadow:4px 4px 4px 4px rgb(224, 199,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 74.406, 94.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 199, 42) }
```

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

```
.background{ background-color: rgb(224,  
199, 42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor