

Converting Colors

CIELCh(96, 81.322, 109.986)

Have a look what the booklet for
CIELCh(96, 81.322, 109.986)
contains.

CIELCh(96, 81.219, 109.823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 81.219, 109.823)

Conversions

Conversions Part 1

Format	Color
Hex	EBFF52
RGB	235, 255, 82
RGB Percent	92%, 100%, 32%
CMY	0.0774, 0.0000, 0.6773
CMYK	0.08, 0.00, 0.68, 0.00
HSL	67°, 100%, 66%
HSV	67°, 68%, 100%
XYZ	71.7267, 90.0078, 21.6297
YIQ	229.2980, 43.6130, -58.0430

Conversions

Conversions Part 2

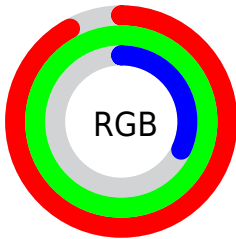
Format	Color
RYB	82, 255, 102
Decimal	15466322
CIELab	96.00, -27.54, 76.41
CIELCh	96, 81.219, 109.823
Yxy	90.0078, 0.3912, 0.4909
Android (android.graphics.Color)	4293656402 (0xFFEBFF52)
YUV	229.2980, -72.6179, 5.0007
Hunter-Lab	94.8724, -31.0748, 52.8933

Details

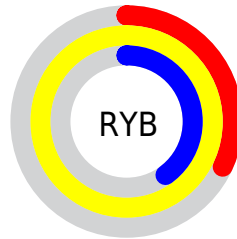
The CIELCh color **96, 81.219, 109.823** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **47, 99.573, 303.388**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 56.773, 105.832**, and **76, 80.806, 109.653** is the 20% darker color. If you saturate the color by 10%, you get **96, 89.088, 109.481**, and if you desaturate by 10%, it is **96, 71.256, 110.258**.

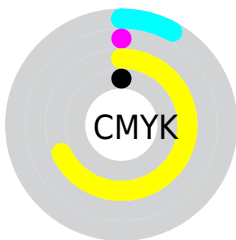
Distribution



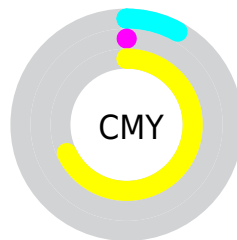
- Red (92%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (40%)



- Cyan (8%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 81.219, 109.823 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 96, 81.219, 109.823 by changing the saturation by 10% instead.


 96, 81.219,
109.823


 96, 81.219,
109.823


 100, 81.219,
109.823


 86, 81.219,
109.823

 76, 81.219,
109.823

 66, 81.219,
109.823

 56, 81.219,
109.823

 46, 81.219,
109.823

 36, 81.219,
109.823

 26, 81.219,

109.823

■ 16, 81.219,
109.823

■ 6, 81.219, 109.823

■ 96, 81.219,
109.823

■ 96, 81.219,
109.823

■ 96, 89.088,
109.481

■ 96, 71.256,
110.258

■ 95, 94.594,
109.495

■ 97, 60.117,
110.905

■ 95, 97.401,
109.838

■ 97, 48.158,
111.645

■ 95, 97.833,
109.940

■ 98, 35.696,
112.434

■ 99, 22.940,
113.242

■ 99, 10.026,
114.048

100, 0.012,
296.813

Harmonies

Complementary

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



96, 81.219, 109.823



47, 99.573, 303.388

Rectangle

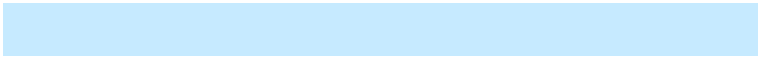
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 81.219, 109.823



96, 81.219, 159.823



96, 81.219, 289.823



96, 81.219, 339.823

Sweetspot

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



96, 81.111, 109.759



98, 25.847, 113.059



62, 70.953, 34.951



52, 17.612, 112.831



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 81.111, 109.759



95, 91.181, 109.450



91, 90.665, 129.577



53, 7.369, 113.907



73, 78.775, 109.823



25, 35.728, 109.249

Inverse Universe

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



47, 99.573, 303.388



39, 118.132, 305.335



56, 97.488, 315.247



49, 7.533, 295.471



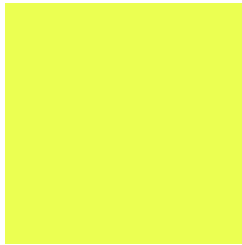
23, 107.110, 306.674



4, 44.389, 303.980

Previews

White Background



This preview shows how the CIELCh color 96, 81.219, 109.823 looks on a white background.

Color Contrast Check

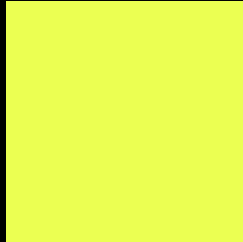
Large Text (above 18pt) WCAG AA × Fail

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 96, 81.219, 109.823 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 96, 81.219, 109.823

Background



This preview shows how black text looks on a background with the CIELCh color 96, 81.219, 109.823.



This preview shows how white text looks on a background with the CIELCh color 96, 81.219, 109.823.

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

96, 81.219, 109.823

Protanopia

96, 23.865, 97.307

Deuteranopia

96, 10.072, 78.885

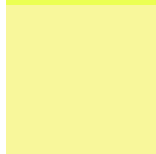


Tritanopia
96, 9.261, 317.538

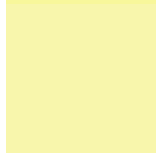
Trichromacy



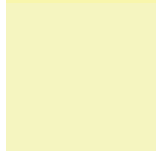
Original Color
96, 81.219, 109.823



Protanomaly
96, 46.148, 106.071



Deuteranomaly
96, 37.387, 106.053

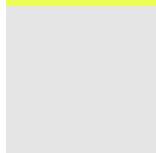


Tritanomaly
95, 26.929, 108.069

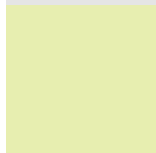
Monochromacy



Original Color
96, 81.219, 109.823



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 31.736, 112.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 81.219, 109.823 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(235, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 82)  
}
```

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(235, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 81.219, 109.823 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(235, 255, 82) }
```

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

```
.border{ border-color:rgb(235, 255, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 255, 82); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 255, 82); box-shadow:4px 4px 4px 4px rgb(235, 255, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 81.219, 109.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 82) }
```

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

```
.background{ background-color: rgb(235,  
255, 82) }
```

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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