

Converting Colors

CIELCh(96, 89.749, 104.768)

Have a look what the booklet for
CIELCh(96, 89.749, 104.768)
contains.

CIELCh(96, 89.841, 104.920)	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, 89.841, 104.920)

Conversions

Conversions Part 1

Format	Color
Hex	F7FD31
RGB	247, 253, 49
RGB Percent	97%, 99%, 19%
CMY	0.0326, 0.0089, 0.8093
CMYK	0.02, 0.00, 0.81, 0.01
HSL	62°, 98%, 59%
HSV	62°, 81%, 99%
XYZ	73.8322, 90.0078, 16.3442
YIQ	227.9500, 61.9080, -64.7160

Conversions

Conversions Part 2

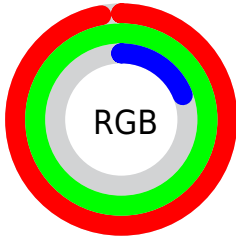
Format	Color
R _Y B	49, 253, 55
Decimal	16252209
CIE Lab	96.00, -23.13, 86.81
CIE LCh	96, 89.841, 104.920
Yxy	90.0078, 0.4098, 0.4995
Android (android.graphics.Color)	4294442289 (0xFFFF7FD31)
YUV	227.9500, -88.2223, 16.7069
Hunter-Lab	94.8724, -27.1134, 56.1965

Details

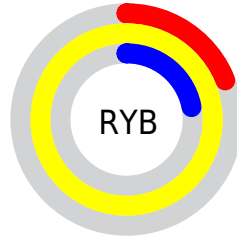
The CIELCh color **96, 89.841, 104.920** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **38, 117.811, 304.421**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 67.886, 104.985**, and **76, 79.993, 106.309** is the 20% darker color. If you saturate the color by 10%, you get **96, 94.357, 104.715**, and if you desaturate by 10%, it is **96, 82.719, 105.356**.

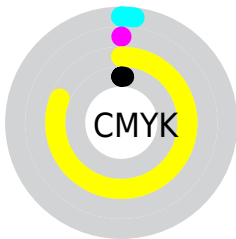
Distribution



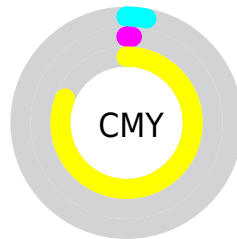
- Red (97%)
- Green (99%)
- Blue (19%)



- Red (19%)
- Yellow (99%)
- Blue (22%)



- Cyan (2%)
- Magenta (0%)
- Yellow (81%)
- Black (1%)





- Cyan (3%)
- Magenta (1%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 89.841, 104.920 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, 89.841, 104.920 by changing the saturation by 10% instead.


 96, 89.841,
104.920


 96, 89.841,
104.920


 100, 89.841,
104.920


 86, 89.841,
104.920


 76, 89.841,
104.920

 66, 89.841,
104.920


 56, 89.841,
104.920

 46, 89.841,
104.920


 36, 89.841,
104.920


 26, 89.841,


104.920


 16, 89.841,
104.920


 6, 89.841, 104.920


 96, 89.841,
104.920


 96, 89.841,
104.920


 96, 94.357,
104.715

 96, 82.719,
105.356

 96, 96.328,
104.714

 96, 73.520,
105.977

 97, 62.863,
106.734

 97, 51.257,
107.581

97, 39.064,
108.483

98, 26.525,
109.411

99, 13.793,
110.343

99, 0.969, 111.206

99, 1.198, 301.891

Harmonies

Complementary

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



96, 89.841, 104.920



38, 117.811, 304.421

Rectangle

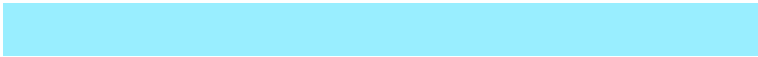
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 89.841, 104.920



96, 89.841, 154.920



96, 89.841, 284.920



96, 89.841, 334.920

Sweetspot

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



96, 89.841, 104.922



99, 30.835, 109.108



56, 88.878, 34.997



52, 21.138, 108.777



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, 89.841, 104.922



97, 96.462, 104.705



90, 99.543, 127.132



53, 7.341, 110.459



75, 78.115, 104.683



26, 35.531, 104.630

Inverse Universe

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



38, 117.811, 304.421



33, 132.389, 306.170



47, 111.655, 312.987



49, 7.507, 292.284



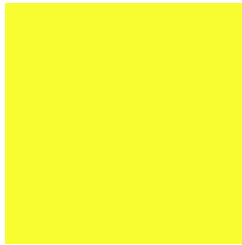
23, 107.633, 306.371



3, 44.199, 302.358

Previews

White Background



This preview shows how the CIELCh color 96, 89.841, 104.920 looks on a white background.

Color Contrast Check

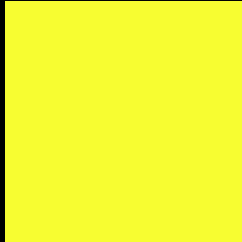
Large Text (above 18pt) WCAG AA × Fail

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, 89.841, 104.920 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, 89.841, 104.920

Background



This preview shows how black text looks on a background with the CIELCh color 96, 89.841, 104.920.

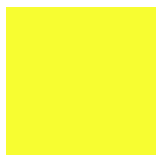


This preview shows how white text looks on a background with the CIELCh color 96, 89.841, 104.920.

Color Blindness Simulation

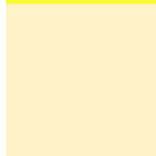
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



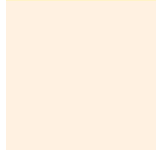
Original Color

96, 89.841, 104.920



Protanopia

96, 22.869, 96.931



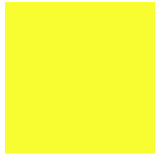
Deuteranopia

96, 9.631, 77.413



Tritanopia
96, 7.657, 337.891

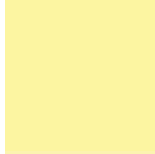
Trichromacy



Original Color
96, 89.841, 104.920



Protanomaly
96, 51.445, 103.912



Deuteranomaly
95, 42.414, 103.101

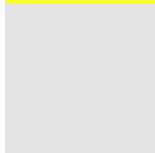


Tritanomaly
95, 34.595, 102.295

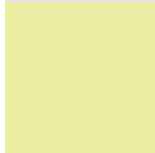
Monochromacy



Original Color
96, 89.841, 104.920



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 37.625, 108.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 89.841, 104.920 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(247, 253, 49)` looks like.

```
.text, #text, p{  
    color:rgb(247, 253, 49)  
}
```

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(247, 253, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 253, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 89.841, 104.920 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(247, 253, 49) }
```

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

```
.border{ border-color:rgb(247, 253, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 253, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 253, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 253, 49);  
box-shadow:4px 4px 4px 4px rgb(247, 253,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 89.841, 104.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 253, 49) }
```

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

```
.background{ background-color: rgb(247,  
253, 49) }
```

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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