

Converting Colors

CIELCh(97, 96.914, 103.142)

Have a look what the booklet for
CIELCh(97, 96.914, 103.142)
contains.

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Color

CIELCh(97, 96.914, 103.100)

Conversions

Conversions Part 1

Format	Color
Hex	FEFF00
RGB	254, 255, 0
RGB Percent	100%, 100%, 0%
CMY	0.0047, 0.0007, 1.0000
CMYK	0.00, 0.00, 1.00, 0.00
HSL	60°, 100%, 50%
HSV	60°, 100%, 100%
XYZ	76.5027, 92.4403, 13.7890
YIQ	225.6310, 81.2590, -79.5170

Conversions

Conversions Part 2

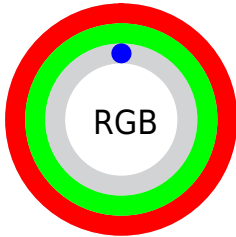
Format	Color
RYB	0, 255, 1
Decimal	16711424
CIELab	97.00, -21.97, 94.39
CIELCh	97, 96.914, 103.100
Yxy	92.4403, 0.4187, 0.5059
Android (android.graphics.Color)	4294901504 (0xFFFEFF00)
YUV	225.6310, -111.2361, 24.8796
Hunter-Lab	96.1459, -26.2240, 58.7989

Details

The CIELCh color **97, 96.914, 103.100** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **32, 133.731, 306.295**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **97, 75.617, 104.403**, and **77, 80.488, 105.038** is the 20% darker color. If you saturate the color by 10%, you get **97, 96.865, 103.106**, and if you desaturate by 10%, it is **97, 94.662, 103.242**.

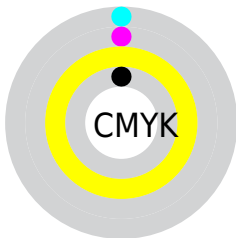
Distribution



- Red (100%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 96.914, 103.100 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 97, 96.914, 103.100 by changing the saturation by 10% instead.


 97, 96.914,
103.100


 97, 96.914,
103.100


 100, 96.914,
103.100


 87, 96.914,
103.100

 77, 96.914,
103.100

 67, 96.914,
103.100

 57, 96.914,
103.100

 47, 96.914,
103.100

 37, 96.914,
103.100

 27, 96.914,

103.100

■ 17, 96.914,
103.100

■ 7, 96.914, 103.100

■ 97, 96.914,
103.100

■ 97, 96.914,
103.100

■ 97, 96.865,
103.106

■ 97, 94.662,
103.242

■ 97, 89.930,
103.565

■ 97, 82.599,
104.088

■ 97, 73.218,
104.777

■ 98, 62.406,
105.589

■ 98, 50.669,
106.483

■ 98, 38.362,
107.427

■ 99, 25.722,
108.396

■ 99, 12.899,
109.367

Harmonies

Complementary

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



97, 96.914, 103.100



32, 133.731, 306.295

Rectangle

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



97, 96.914, 103.100



97, 96.914, 153.100



97, 96.914, 283.100



97, 96.914, 333.100

Sweetspot

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



97, 96.865, 103.106



98, 38.383, 107.427



53, 104.523, 40.000



52, 26.096, 107.025



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



97, 96.865, 103.106



97, 96.914, 103.106



90, 109.382, 128.367



53, 7.338, 109.415



75, 78.058, 103.101



26, 35.524, 103.216

Inverse Universe

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



32, 133.731, 306.295



32, 133.798, 306.295



41, 124.987, 311.675



49, 7.504, 291.324



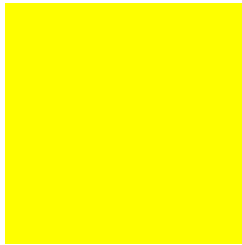
23, 107.761, 306.299



3, 44.137, 301.841

Previews

White Background



This preview shows how the CIELCh color 97, 96.914, 103.100 looks on a white background.

Color Contrast Check

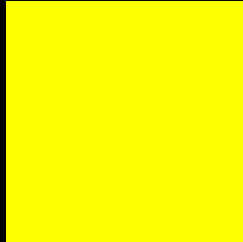
Large Text (above 18pt) WCAG AA × Fail

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 97, 96.914, 103.100 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 97, 96.914, 103.100

Background



This preview shows how black text looks on a background with the CIELCh color 97, 96.914, 103.100.

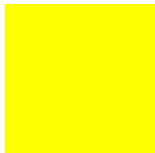


This preview shows how white text looks on a background with the CIELCh color 97, 96.914, 103.100.

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](#).

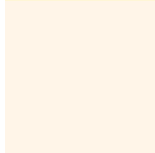
Dichromacy



Original Color
97, 96.914, 103.100



Protanopia
97, 16.616, 97.306

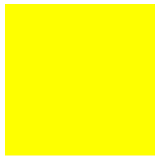


Deuteranopia
97, 7.528, 80.937

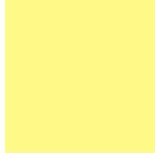


Tritanopia
97, 5.253, 343.947

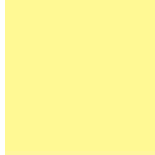
Trichromacy



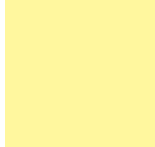
Original Color
97, 96.914, 103.100



Protanomaly
96, 56.082, 103.334

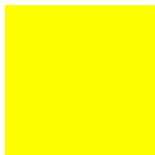


Deuteranomaly
96, 50.459, 103.525

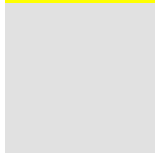


Tritanomaly
96, 44.816, 102.615

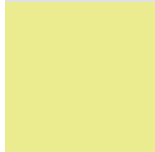
Monochromacy



Original Color
97, 96.914, 103.100



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 46.948, 106.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 96.914, 103.100 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(254, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 0)  
}
```

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(254, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 96.914, 103.100 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(254, 255, 0) }
```

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

```
.border{ border-color:rgb(254, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 96.914, 103.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 0) }
```

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

```
.background{ background-color: rgb(254,  
255, 0) }
```

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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