

Converting Colors

CIELCh(97, 96.725, 102.865)

Have a look what the booklet for
CIELCh(97, 96.725, 102.865)
contains.

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Color

CIELCh(97, 96.842, 102.857)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF00
RGB	255, 255, 0
RGB Percent	100%, 100%, 0%
CMY	0.0017, 0.0015, 1.0000
CMYK	0.00, 0.00, 1.00, 0.00
HSL	60°, 100%, 50%
HSV	60°, 100%, 100%
XYZ	76.7084, 92.4403, 13.7799
YIQ	225.9300, 81.8550, -79.3050

Conversions

Conversions Part 2

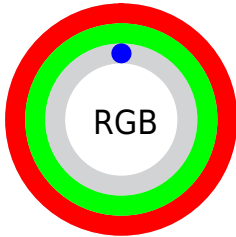
Format	Color
RYB	0, 255, 0
Decimal	16776960
CIELab	97.00, -21.55, 94.41
CIELCh	97, 96.842, 102.857
Yxy	92.4403, 0.4193, 0.5053
Android (android.graphics.Color)	4294967040 (0xFFFFFFFF00)
YUV	225.9300, -111.3835, 25.4944
Hunter-Lab	96.1459, -25.8420, 58.8045

Details

The CIELCh color **97, 96.842, 102.857** is a light color, and the websafe version is hex **FFFF00**, and the color name is **yellow**. The color can be described as light saturated yellow. A complement of this color would be **32, 133.658, 306.288**, 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, 80.468, 104.727** is the 20% darker color. If you saturate the color by 10%, you get **97, 96.797, 102.862**, and if you desaturate by 10%, it is **97, 94.595, 103.018**.

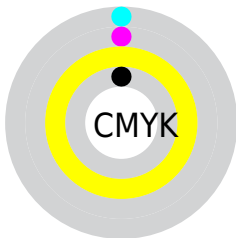
Distribution



- 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, 96.842, 102.857 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, 96.842, 102.857 by changing the saturation by 10% instead.


 97, 96.842,
102.857


 97, 96.842,
102.857


 100, 96.842,
102.857


 87, 96.842,
102.857

 77, 96.842,
102.857

 67, 96.842,
102.857

 57, 96.842,
102.857

 47, 96.842,
102.857

 37, 96.842,
102.857

 27, 96.842,

102.857

■ 17, 96.842,
102.857

■ 7, 96.842, 102.857

■ 97, 96.842,
102.857

■ 97, 96.842,
102.857

■ 97, 96.797,
102.862

■ 97, 94.595,
103.018

■ 97, 89.867,
103.357

■ 97, 82.542,
103.891

■ 97, 73.167,
104.588

■ 98, 62.362,
105.407

■ 98, 50.632,
106.307

■ 98, 38.334,
107.258

■ 99, 25.703,
108.232

■ 99, 12.889,
109.209

Harmonies

Complementary

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



97, 96.842, 102.857



32, 133.658, 306.288

Rectangle

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



97, 96.842, 102.857



97, 96.842, 152.857



97, 96.842, 282.857



97, 96.842, 332.857

Sweetspot

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



97, 96.797, 102.862



98, 38.382, 107.257



53, 104.453, 40.000



52, 26.096, 106.852



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, 96.797, 102.862



97, 96.910, 102.862



90, 109.308, 128.367



53, 7.338, 109.257



75, 78.056, 102.862



26, 35.525, 103.003

Inverse Universe

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



32, 133.658, 306.288



32, 133.815, 306.288



41, 124.903, 311.675



49, 7.504, 291.180



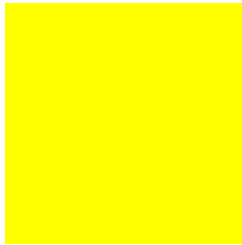
23, 107.780, 306.288



3, 44.127, 301.762

Previews

White Background



This preview shows how the CIELCh color 97, 96.842, 102.857 looks on a white background.

Color Contrast Check

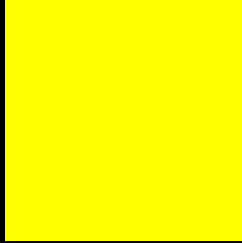
Large Text (above 18pt) WCAG AA × Fail

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, 96.842, 102.857 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, 96.842, 102.857

Background



This preview shows how black text looks on a background with the CIELCh color 97, 96.842, 102.857.

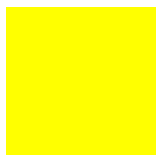


This preview shows how white text looks on a background with the CIELCh color 97, 96.842, 102.857.

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](#).

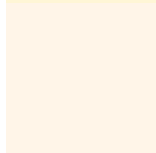
Dichromacy



Original Color
97, 96.910, 102.852



Protanopia
97, 16.616, 97.306

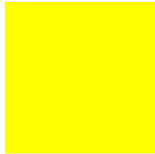


Deuteranopia
97, 7.528, 80.937

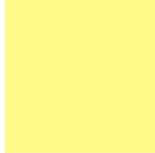


Tritanopia
97, 5.253, 343.947

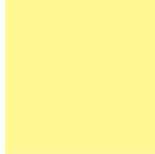
Trichromacy



Original Color
97, 96.910, 102.852



Protanomaly
96, 56.082, 103.334



Deuteranomaly
96, 50.037, 103.064

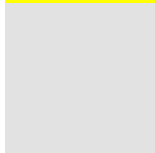


Tritanomaly
96, 44.816, 102.615

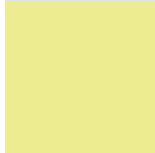
Monochromacy



Original Color
97, 96.910, 102.852



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 46.463, 106.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 96.842, 102.857 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(255, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 255, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 97, 96.842, 102.857 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(255, 255, 0) }
```

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

```
.border{ border-color:rgb(255, 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(255, 255, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 97, 96.842, 102.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
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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