

Converting Colors

CIELCh(97, 95.604, 102.944)

Have a look what the booklet for
CIELCh(97, 95.604, 102.944)
contains.

CIELCh(97, 95.760, 102.933)	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(97, 95.760, 102.933)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF0F
RGB	255, 255, 15
RGB Percent	100%, 100%, 6%
CMY	0.0019, 0.0017, 0.9430
CMYK	0.00, 0.00, 0.94, 0.00
HSL	60°, 100%, 53%
HSV	60°, 94%, 100%
XYZ	76.7662, 92.4403, 14.2307
YIQ	227.6400, 77.0400, -74.6400

Conversions

Conversions Part 2

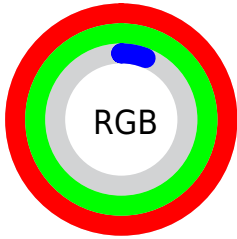
Format	Color
R _Y B	15, 255, 15
Decimal	16776975
CIE Lab	97.00, -21.43, 93.33
CIE LCh	97, 95.760, 102.933
Yxy	92.4403, 0.4185, 0.5039
Android (android.graphics.Color)	4294967055 (0xFFFFFFFF0F)
YUV	227.6400, -104.8315, 23.9947
Hunter-Lab	96.1459, -25.7347, 58.5265

Details

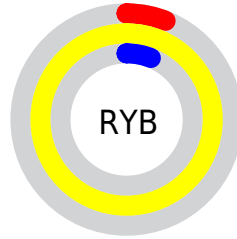
The CIELCh color **97, 95.760, 102.933** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **33, 131.099, 305.932**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 74.447, 104.491**, and **77, 80.468, 104.727** is the 20% darker color. If you saturate the color by 10%, you get **97, 96.785, 102.863**, and if you desaturate by 10%, it is **97, 92.221, 103.187**.

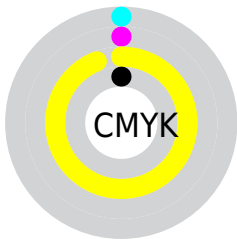
Distribution



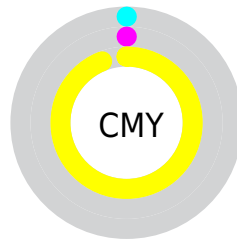
- Red (100%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (6%)



- Cyan (0%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 95.760, 102.933 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, 95.760, 102.933 by changing the saturation by 10% instead.


 97, 95.760,
102.933


 97, 95.760,
102.933


 100, 95.760,
102.933


 87, 95.760,
102.933

 77, 95.760,
102.933

 67, 95.760,
102.933

 57, 95.760,
102.933

 47, 95.760,
102.933

 37, 95.760,
102.933

 27, 95.760,

102.933

■ 17, 95.760,
102.933

■ 7, 95.760, 102.933

■ 97, 95.760,
102.933

■ 97, 95.760,
102.933

■ 97, 96.785,
102.863

■ 97, 92.221,
103.187

■ 97, 85.958,
103.640

■ 97, 77.385,
104.273

■ 98, 67.123,
105.044

■ 98, 55.740,
105.914

■ 98, 43.652,
106.846

■ 99, 31.143,
107.813

■ 99, 18.394,
108.792

■ 100, 5.523,
109.758

Harmonies

Complementary

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



97, 95.760, 102.933



33, 131.099, 305.932

Rectangle

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



97, 95.760, 102.933



97, 95.760, 152.933



97, 95.760, 282.933



97, 95.760, 332.933

Sweetspot

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



97, 95.759, 102.935



99, 35.874, 107.451



54, 101.539, 38.854



52, 24.687, 107.035



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, 95.759, 102.935



97, 96.910, 102.863



90, 107.290, 127.677



53, 7.338, 109.257



75, 78.056, 102.863



26, 35.525, 103.003

Inverse Universe

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



33, 131.099, 305.932



32, 133.815, 306.288



42, 122.445, 312.076



49, 7.504, 291.180



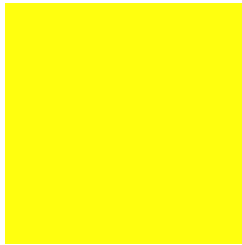
23, 107.780, 306.288



3, 44.127, 301.762

Previews

White Background



This preview shows how the CIE LCh color 97, 95.760, 102.933 looks on a white background.

Color Contrast Check

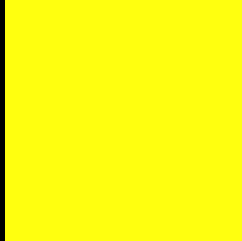
Large Text (above 18pt) WCAG AA × Fail

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, 95.760, 102.933 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, 95.760, 102.933

Background



This preview shows how black text looks on a background with the CIELCh color 97, 95.760, 102.933.

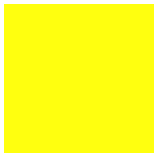


This preview shows how white text looks on a background with the CIELCh color 97, 95.760, 102.933.

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](#).

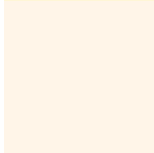
Dichromacy



Original Color
97, 95.849, 102.927



Protanopia
97, 16.616, 97.306

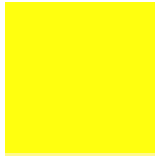


Deuteranopia
97, 7.528, 80.937

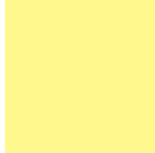


Tritanopia
97, 5.253, 343.947

Trichromacy



Original Color
97, 95.849, 102.927



Protanomaly
96, 53.757, 103.419

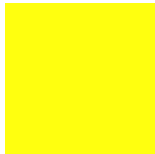


Deuteranomaly
96, 47.650, 103.106

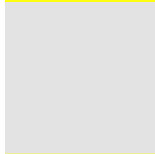


Tritanomaly
96, 41.900, 102.588

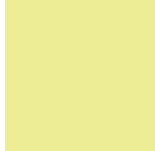
Monochromacy



Original Color
97, 95.849, 102.927



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 44.008, 106.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 95.760, 102.933 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 95.760, 102.933 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, 15) }
```

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

```
.border{ border-color:rgb(255, 255, 15) }
```

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, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 95.760, 102.933 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, 15) }
```

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

```
.background{ background-color: rgb(255,  
255, 15) }
```

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