

Converting Colors

CIELCh(91, 96.863, 115.394)

Have a look what the booklet for
CIELCh(91, 96.863, 115.394)
contains.

CIELCh(91, 96.753, 115.372)	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(91, 96.753, 115.372)

Conversions

Conversions Part 1

Format	Color
Hex	C4F709
RGB	196, 247, 9
RGB Percent	77%, 97%, 4%
CMY	0.2303, 0.0303, 0.9642
CMYK	0.21, 0.00, 0.96, 0.03
HSL	73°, 94%, 50%
HSV	73°, 96%, 97%
XYZ	56.2337, 78.4833, 12.4457
YIQ	204.6190, 46.0020, -84.8300

Conversions

Conversions Part 2

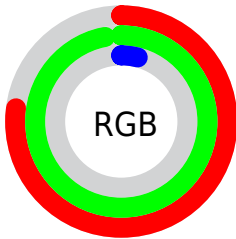
Format	Color
R _Y B	9, 247, 60
Decimal	12908297
CIE Lab	91.00, -41.46, 87.42
CIE LCh	91, 96.753, 115.372
Yxy	78.4833, 0.3821, 0.5333
Android (android.graphics.Color)	4291098377 (0xFFC4F709)
YUV	204.6190, -96.4402, -7.5589
Hunter-Lab	88.5908, -41.7296, 53.6842

Details

The CIELCh color **91, 96.753, 115.372** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **34, 126.928, 307.253**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.002, 104.374**, and **71, 81.552, 119.133** is the 20% darker color. If you saturate the color by 10%, you get **91, 97.592, 115.684**, and if you desaturate by 10%, it is **91, 93.311, 114.716**.

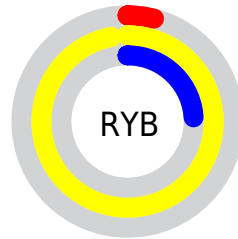
Distribution



Red (77%)

Green (97%)

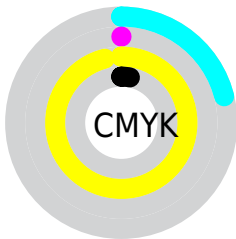
Blue (4%)



Red (4%)

Yellow (97%)

Blue (24%)

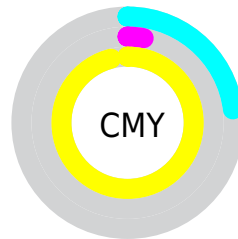


Cyan (21%)

Magenta (0%)

Yellow (96%)

Black (3%)



Cyan (23%)


Magenta (3%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 96.753, 115.372 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 91, 96.753, 115.372 by changing the saturation by 10% instead.


 91, 96.753,
115.372


 91, 96.753,
115.372


 100, 96.753,
115.372


 81, 96.753,
115.372


 71, 96.753,
115.372

 61, 96.753,
115.372


 51, 96.753,
115.372

 41, 96.753,
115.372


 31, 96.753,
115.372


 21, 96.753,


115.372


 11, 96.753,
115.372

 1, 96.753, 115.372


 91, 96.753,
115.372


 91, 96.753,
115.372

 91, 97.592,
115.684

 91, 93.311,
114.716

 92, 87.251,
114.478

 92, 78.906,
114.590

 93, 68.861,
114.952

■ 93, 57.672,
115.477

■ 94, 45.755,
116.096

■ 95, 33.398,
116.763

■ 96, 20.789,
117.445

■ 97, 8.054, 118.122

Harmonies

Complementary

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



91, 96.753, 115.372



34, 126.928, 307.253

Rectangle

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



91, 96.753, 115.372



91, 96.753, 165.372



91, 96.753, 295.372



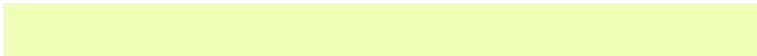
91, 96.753, 345.372

Sweetspot

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



91, 96.753, 115.374



97, 37.675, 116.578



55, 94.972, 43.101



52, 25.772, 116.292



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 96.753, 115.374



93, 99.901, 115.703



86, 111.775, 133.097



51, 7.192, 117.909



70, 78.780, 115.480



23, 33.860, 114.628

Inverse Universe

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



34, 126.928, 307.253



34, 131.827, 307.246



47, 116.006, 317.443



47, 7.342, 299.200



24, 103.862, 307.378



4, 40.552, 304.553

Previews

White Background



This preview shows how the CIE LCh color 91, 96.753, 115.372 looks on a white background.

Color Contrast Check

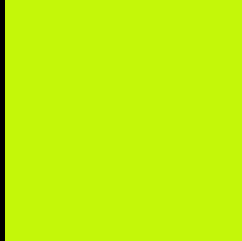
Large Text (above 18pt) WCAG AA × Fail

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 91, 96.753, 115.372 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 91, 96.753, 115.372

Background



This preview shows how black text looks on a background with the CIELCh color 91, 96.753, 115.372.



This preview shows how white text looks on a background with the CIELCh color 91, 96.753, 115.372.

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](#).

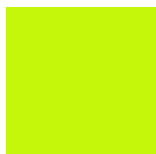
Dichromacy





Tritanopia
91, 10.235, 265.383

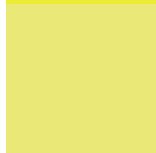
Trichromacy



Original Color
91, 96.682, 115.386



Protanomaly
91, 82.891, 104.084

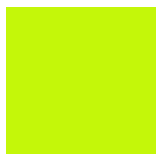


Deuteranomaly
90, 56.957, 104.668

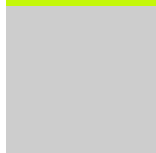


Tritanomaly
90, 39.672, 122.333

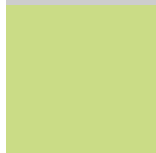
Monochromacy



Original Color
91, 96.682, 115.386



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 44.658, 115.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 96.753, 115.372 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(196, 247, 9)` looks like.

```
.text, #text, p{  
    color:rgb(196, 247, 9)  
}
```

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(196, 247, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 247, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 96.753, 115.372 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(196, 247, 9) }
```

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

```
.border{ border-color:rgb(196, 247, 9) }
```

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

Here you see how a box with a 4 pixel rgb(196, 247, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 247, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 247, 9);  
box-shadow:4px 4px 4px 4px rgb(196, 247,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 96.753, 115.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 247, 9) }
```

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

```
.background{ background-color: rgb(196,  
247, 9) }
```

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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