

Converting Colors

CIELCh(91, 90.031, 95.943)

Have a look what the booklet for
CIELCh(91, 90.031, 95.943) contains.

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Color

CIELCh(91, 90.015, 96.300)

Conversions

Conversions Part 1

Format	Color
Hex	FFE707
RGB	255, 231, 7
RGB Percent	100%, 91%, 3%
CMY	0.0000, 0.0938, 0.9713
CMYK	0.00, 0.09, 0.97, 0.00
HSL	54°, 100%, 51%
HSV	54°, 97%, 100%
XYZ	69.9051, 78.4833, 11.6734
YIQ	212.6400, 86.2080, -64.5760

Conversions

Conversions Part 2

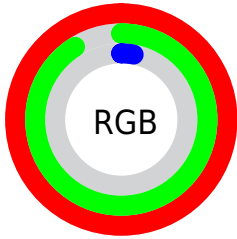
Format	Color
R _Y B	34, 255, 7
Decimal	16770823
CIE Lab	91.00, -9.88, 89.47
CIE LCh	91, 90.015, 96.300
Yxy	78.4833, 0.4367, 0.4903
Android (android.graphics.Color)	4294960903 (0xFFFFE707)
YUV	212.6400, -101.3805, 37.1497
Hunter-Lab	88.5908, -14.1835, 54.2011

Details

The CIELCh color **91, 90.015, 96.300** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **35, 127.042, 304.927**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.764, 104.318**, and **71, 73.804, 96.861** is the 20% darker color. If you saturate the color by 10%, you get **91, 90.410, 96.108**, and if you desaturate by 10%, it is **92, 87.500, 97.099**.

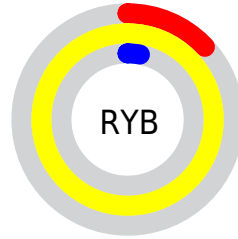
Distribution



Red (100%)

Green (91%)

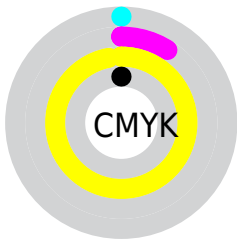
Blue (3%)



Red (13%)

Yellow (100%)

Blue (3%)

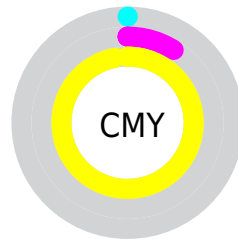


Cyan (0%)

Magenta (9%)

Yellow (97%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 90.015, 96.300 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, 90.015, 96.300 by changing the saturation by 10% instead.

 91, 90.015, 96.300

 91, 90.015, 96.300

 100, 90.015,
96.300

 81, 90.015, 96.300

 71, 90.015, 96.300

 61, 90.015, 96.300

 51, 90.015, 96.300

 41, 90.015, 96.300

 31, 90.015, 96.300

 21, 90.015, 96.300

 11, 90.015, 96.300

 1, 90.015, 96.300

91, 90.015, 96.300

91, 90.015, 96.300

91, 90.410, 96.108

92, 87.500, 97.099

92, 82.129, 97.943

93, 74.355, 98.868

94, 64.891, 99.864

95, 54.362,
100.909

96, 43.211,
101.985

97, 31.719,
103.071

98, 20.063,
104.152

99, 8.346, 105.210

Harmonies

Complementary

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



91, 90.015, 96.300



35, 127.042, 304.927

Rectangle

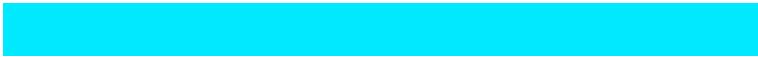
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 90.015, 96.300



91, 90.015, 146.300



91, 90.015, 276.300



91, 90.015, 326.300

Sweetspot

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



91, 90.010, 96.324



97, 33.881, 102.868



54, 98.330, 35.630



51, 23.206, 102.404



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, 90.010, 96.324



91, 90.410, 96.108



91, 104.936, 124.319



53, 6.655, 104.963



70, 72.899, 96.234



24, 32.936, 97.280

Inverse Universe

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



35, 127.042, 304.927



34, 129.164, 305.308



39, 126.393, 309.807



49, 6.776, 287.042



24, 103.100, 305.054



5, 41.057, 300.026

Previews

White Background



This preview shows how the CIE LCh color 91, 90.015, 96.300 looks on a white background.

Color Contrast Check

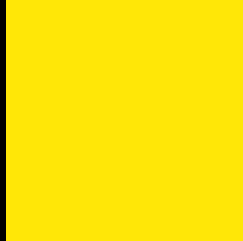
Large Text (above 18pt) WCAG AA × Fail

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, 90.015, 96.300 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, 90.015, 96.300

Background



This preview shows how black text looks on a background with the CIELCh color 91, 90.015, 96.300.



This preview shows how white text looks on a background with the CIELCh color 91, 90.015, 96.300.

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

91, 90.015, 96.300

Protanopia

91, 68.813, 95.735

Deuteranopia

91, 24.725, 80.147



Tritanopia
91, 13.892, 356.291

Trichromacy



Original Color
91, 90.015, 96.300



Protanomaly
91, 79.592, 95.975



Deuteranomaly
91, 55.724, 93.556

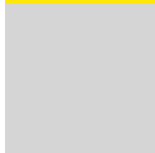


Tritanomaly
90, 40.137, 88.719

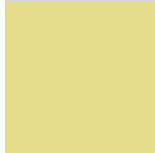
Monochromacy



Original Color
91, 90.015, 96.300



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 42.183, 102.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 90.015, 96.300 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, 231, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 7)  
}
```

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, 231, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 90.015, 96.300 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, 231, 7) }
```

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

```
.border{ border-color:rgb(255, 231, 7) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 90.015, 96.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 7) }
```

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

```
.background{ background-color: rgb(255,  
231, 7) }
```

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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