

Converting Colors

CIELCh(93, 93.924, 107.740)

Have a look what the booklet for
CIELCh(93, 93.924, 107.740)
contains.

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Color

CIELCh(93, 93.996, 107.783)

Conversions

Conversions Part 1

Format	Color
Hex	E4F70E
RGB	228, 247, 14
RGB Percent	89%, 97%, 5%
CMY	0.1063, 0.0317, 0.9463
CMYK	0.08, 0.00, 0.94, 0.03
HSL	65°, 94%, 51%
HSV	65°, 94%, 97%
XYZ	65.2678, 82.9670, 12.9778
YIQ	214.7570, 63.4690, -76.4910

Conversions

Conversions Part 2

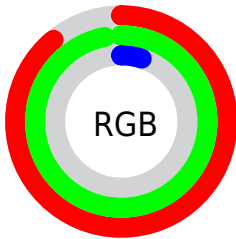
Format	Color
R _Y B	14, 247, 33
Decimal	15005454
CIE Lab	93.00, -28.71, 89.50
CIE LCh	93, 93.996, 107.783
Yxy	82.9670, 0.4049, 0.5146
Android (android.graphics.Color)	4293195534 (0xFFE4F70E)
YUV	214.7570, -98.9732, 11.6141
Hunter-Lab	91.0862, -31.4969, 55.3128

Details

The CIELCh color **93, 93.996, 107.783** 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 **33, 127.543, 306.240**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.229, 104.432**, and **73, 78.774, 110.188** is the 20% darker color. If you saturate the color by 10%, you get **93, 95.046, 107.942**, and if you desaturate by 10%, it is **93, 90.461, 107.684**.

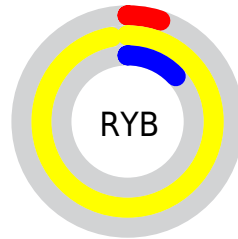
Distribution



Red (89%)

Green (97%)

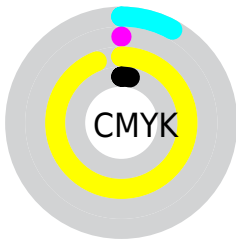
Blue (5%)



Red (5%)

Yellow (97%)

Blue (13%)

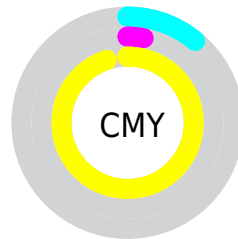


Cyan (8%)

Magenta (0%)

Yellow (94%)

Black (3%)



Cyan (11%)

Magenta (3%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 93.996, 107.783 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 93, 93.996, 107.783 by changing the saturation by 10% instead.

■ 93, 93.996,
107.783

■ 93, 93.996,
107.783

■ 100, 93.996,
107.783

■ 83, 93.996,
107.783

■ 73, 93.996,
107.783

■ 63, 93.996,
107.783

■ 53, 93.996,
107.783

■ 43, 93.996,
107.783

■ 33, 93.996,
107.783

■ 23, 93.996,

107.783

■ 13, 93.996,
107.783

■ 3, 93.996, 107.783

■ 93, 93.996,
107.783

■ 93, 93.996,
107.783

■ 93, 95.046,
107.942

■ 93, 90.461,
107.684

■ 93, 84.282,
107.875

■ 94, 75.870,
108.310

■ 94, 65.827,
108.924

■ 95, 54.699,
109.657

■ 95, 42.886,
110.463

■ 96, 30.660,
111.306

■ 96, 18.197,
112.161

■ 97, 5.612, 113.005

Harmonies

Complementary

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



93, 93.996, 107.783



33, 127.543, 306.240

Rectangle

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



93, 93.996, 107.783



93, 93.996, 157.783



93, 93.996, 287.783



93, 93.996, 337.783

Sweetspot

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



93, 93.996, 107.785



98, 35.957, 111.001



53, 97.987, 39.704



52, 24.743, 110.637



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 93.996, 107.785



96, 97.399, 107.951



87, 107.034, 129.747



51, 7.113, 112.583



72, 76.873, 107.856



23, 33.264, 107.671

Inverse Universe

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



33, 127.543, 306.240



33, 133.405, 306.475



43, 118.102, 313.726



47, 7.272, 294.238



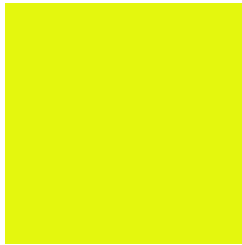
22, 105.203, 306.538



3, 40.144, 301.649

Previews

White Background



This preview shows how the CIELCh color 93, 93.996, 107.783 looks on a white background.

Color Contrast Check

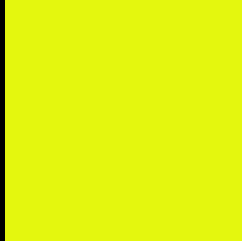
Large Text (above 18pt) WCAG AA × Fail

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 93, 93.996, 107.783 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 93, 93.996, 107.783

Background



This preview shows how black text looks on a background with the CIELCh color 93, 93.996, 107.783.

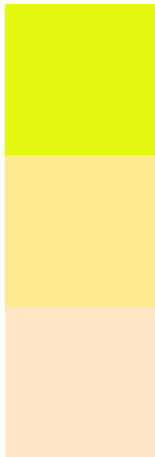


This preview shows how white text looks on a background with the CIELCh color 93, 93.996, 107.783.

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
93, 93.996, 107.783

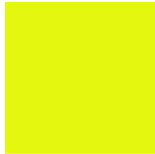
Protanopia
93, 47.265, 96.506

Deuteranopia
93, 18.404, 79.165



Tritanopia
93, 10.910, 321.726

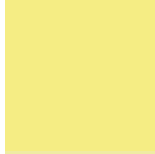
Trichromacy



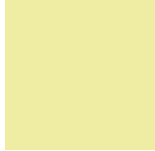
Original Color
93, 93.996, 107.783



Protanomaly
93, 69.446, 102.545

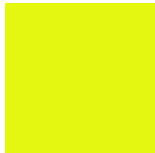


Deuteranomaly
92, 52.750, 102.377

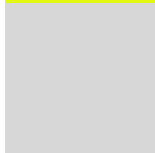


Tritanomaly
92, 37.161, 105.349

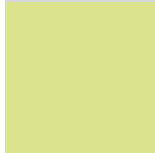
Monochromacy



Original Color
93, 93.996, 107.783



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 43.419, 110.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 93.996, 107.783 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(228, 247, 14)` looks like.

```
.text, #text, p{  
    color:rgb(228, 247, 14)  
}
```

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(228, 247, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 247, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 93.996, 107.783 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(228, 247, 14) }
```

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

```
.border{ border-color:rgb(228, 247, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 247, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 247, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 247, 14);  
box-shadow:4px 4px 4px 4px rgb(228, 247,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 93.996, 107.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 247, 14) }
```

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

```
.background{ background-color: rgb(228,  
247, 14) }
```

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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