

Converting Colors

CIELCh(90, 88.541, 99.876)

Have a look what the booklet for
CIELCh(90, 88.541, 99.876) contains.

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Color

CIELCh(90, 88.504, 99.913)

Conversions

Conversions Part 1

Format	Color
Hex	F2E713
RGB	242, 231, 19
RGB Percent	95%, 91%, 7%
CMY	0.0497, 0.0929, 0.9262
CMYK	0.00, 0.05, 0.92, 0.05
HSL	57°, 90%, 51%
HSV	57°, 92%, 95%
XYZ	65.5079, 76.3034, 11.8827
YIQ	210.1210, 74.6080, -63.6000

Conversions

Conversions Part 2

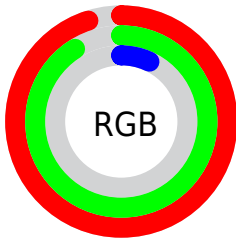
Format	Color
R _Y B	31, 242, 19
Decimal	15918867
CIE Lab	90.00, -15.24, 87.18
CIE LCh	90, 88.504, 99.913
Yxy	76.3034, 0.4262, 0.4965
Android (android.graphics.Color)	4294108947 (0xFF2E713)
YUV	210.1210, -94.2227, 27.9579
Hunter-Lab	87.3518, -19.0028, 53.0809

Details

The CIELCh color **90, 88.504, 99.913** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **33, 121.769, 305.015**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.617, 104.403**, and **70, 73.409, 101.090** is the 20% darker color. If you saturate the color by 10%, you get **90, 89.889, 99.576**, and if you desaturate by 10%, it is **90, 84.617, 100.459**.

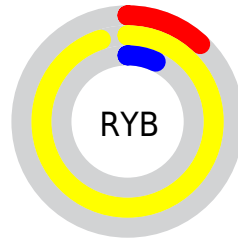
Distribution



Red (95%)

Green (91%)

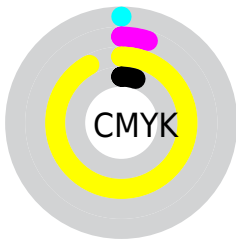
Blue (7%)



Red (12%)

Yellow (95%)

Blue (7%)

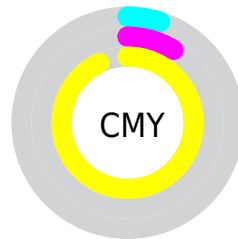


Cyan (0%)

Magenta (5%)

Yellow (92%)

Black (5%)



Cyan (5%)

Magenta (9%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 88.504, 99.913 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 90, 88.504, 99.913 by changing the saturation by 10% instead.

 90, 88.504, 99.913

 90, 88.504, 99.913

 100, 88.504,
99.913

 80, 88.504, 99.913

 70, 88.504, 99.913

 60, 88.504, 99.913

 50, 88.504, 99.913

 40, 88.504, 99.913

 30, 88.504, 99.913

 20, 88.504, 99.913

 10, 88.504, 99.913

 0, 88.504, 99.913

■ 90, 88.504, 99.913

■ 90, 88.504, 99.913

■ 90, 89.889, 99.576

■ 90, 84.617,
100.459

■ 91, 78.153,
101.145

■ 91, 69.664,
101.958

■ 92, 59.781,
102.866

■ 92, 49.019,
103.838

■ 93, 37.731,
104.848

■ 94, 26.149,
105.873

■ 95, 14.417,
106.895

Harmonies

Complementary

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



90, 88.504, 99.913



33, 121.769, 305.015

Rectangle

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



90, 88.504, 99.913



90, 88.504, 149.913



90, 88.504, 279.913



90, 88.504, 329.913

Sweetspot

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



90, 88.503, 99.915



98, 34.241, 105.273



51, 93.885, 36.126



52, 23.581, 104.830



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 88.503, 99.915



94, 93.418, 99.567



87, 100.822, 125.654



51, 6.754, 107.172



71, 73.793, 99.632



23, 31.849, 100.432

Inverse Universe

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



33, 121.769, 305.015



33, 131.874, 305.886



39, 117.897, 311.089



47, 6.892, 289.163



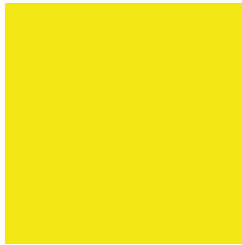
23, 103.409, 305.701



3, 38.535, 298.954

Previews

White Background



This preview shows how the CIELCh color 90, 88.504, 99.913 looks on a white background.

Color Contrast Check

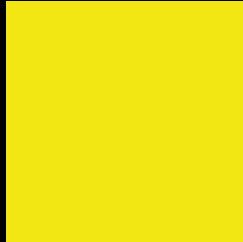
Large Text (above 18pt) WCAG AA × Fail

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 90, 88.504, 99.913 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 90, 88.504, 99.913

Background



This preview shows how black text looks on a background with the CIELCh color 90, 88.504, 99.913.



This preview shows how white text looks on a background with the CIELCh color 90, 88.504, 99.913.

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

90, 88.388, 99.918

Protanopia

90, 86.351, 95.065

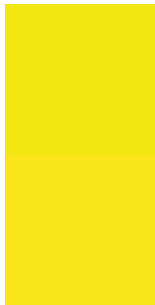
Deuteranopia

90, 27.919, 79.374



Tritanopia
90, 16.109, 351.809

Trichromacy

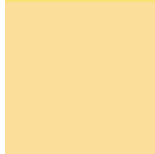


Original Color
90, 88.388, 99.918

Protanomaly
90, 87.204, 97.104

Deuteranomaly
90, 55.045, 94.729

Tritanomaly
89, 36.897, 89.378



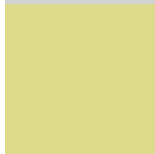
Monochromacy



Original Color
90, 88.388, 99.918

Achromatopsia
84, 0.010, 296.813

Achromatomaly
86, 40.159, 104.413



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 88.504, 99.913 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(242, 231, 19)` looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 19)  
}
```

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(242, 231, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 88.504, 99.913 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(242, 231, 19) }
```

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

```
.border{ border-color:rgb(242, 231, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 231, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 19);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 88.504, 99.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 19) }
```

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

```
.background{ background-color: rgb(242,  
231, 19) }
```

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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