

Converting Colors

CIELCh(88, 91.627, 110.443)

Have a look what the booklet for
CIELCh(88, 91.627, 110.443)
contains.

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Color

CIELCh(88, 91.512, 110.268)

Conversions

Conversions Part 1

Format	Color
Hex	CEEA04
RGB	206, 234, 4
RGB Percent	81%, 92%, 2%
CMY	0.1916, 0.0818, 0.9863
CMYK	0.12, 0.00, 0.99, 0.08
HSL	67°, 97%, 47%
HSV	67°, 99%, 92%
XYZ	54.9678, 72.0653, 11.1125
YIQ	199.4080, 57.1420, -77.4660

Conversions

Conversions Part 2

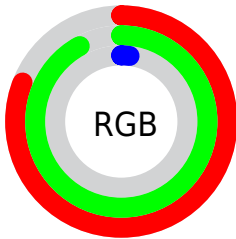
Format	Color
R_{YB}	4, 234, 32
Decimal	13560324
CIE _{Lab}	88.00, -31.70, 85.85
CIE _{LCh}	88, 91.512, 110.268
Yxy	72.0653, 0.3979, 0.5217
Android (android.graphics.Color)	4291750404 (0xFFCEEA04)
YUV	199.4080, -96.3361, 5.7812
Hunter-Lab	84.8913, -32.9796, 51.6627

Details

The CIELCh color **88, 91.512, 110.268** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed yellow. A complement of this color would be **30, 123.976, 306.593**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **68, 75.492, 113.242** is the 20% darker color. If you saturate the color by 10%, you get **88, 91.810, 110.337**, and if you desaturate by 10%, it is **88, 88.898, 109.896**.

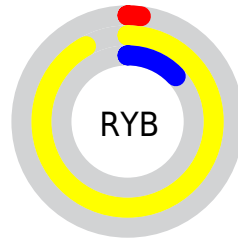
Distribution



Red (81%)

Green (92%)

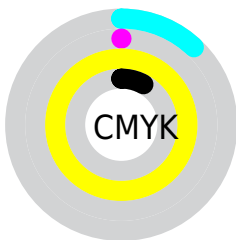
Blue (2%)



Red (2%)

Yellow (92%)

Blue (13%)

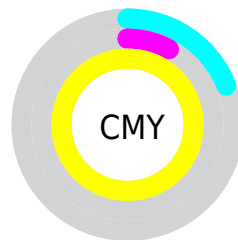


Cyan (12%)

Magenta (0%)

Yellow (99%)

Black (8%)



Cyan (19%)


Magenta (8%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 91.512, 110.268 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 88, 91.512, 110.268 by changing the saturation by 10% instead.


 88, 91.512,
110.268


 88, 91.512,
110.268


 100, 91.512,
110.268


 78, 91.512,
110.268

 68, 91.512,
110.268

 58, 91.512,
110.268

 48, 91.512,
110.268

 38, 91.512,
110.268


 28, 91.512,
110.268


 18, 91.512,


110.268

 8, 91.512, 110.268

 0, 91.512, 110.268


 88, 91.512,
110.268

 88, 91.512,
110.268

 88, 91.810,
110.337

 88, 88.898,
109.896

 89, 83.841,
109.846

 89, 76.473,
110.095

 89, 67.336,
110.569

 90, 56.984,

111.196

■ 90, 45.851,
111.918

■ 91, 34.237,
112.691

■ 91, 22.340,
113.486

■ 92, 10.292,
114.279

Harmonies

Complementary

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



88, 91.512, 110.268



30, 123.976, 306.593

Rectangle

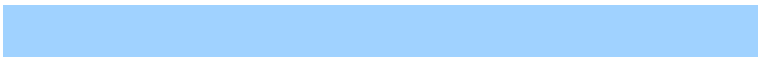
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 91.512, 110.268



88, 91.512, 160.268



88, 91.512, 290.268



88, 91.512, 340.268

Sweetspot

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



88, 91.512, 110.270



98, 38.572, 112.563



50, 95.190, 41.034



52, 26.226, 112.233



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 91.512, 110.270



95, 97.946, 110.371



82, 105.673, 131.466



49, 6.885, 114.203



70, 75.707, 110.219



21, 30.833, 110.143

Inverse Universe

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



30, 123.976, 306.593



33, 133.065, 306.635



41, 113.713, 314.813



45, 7.037, 295.733



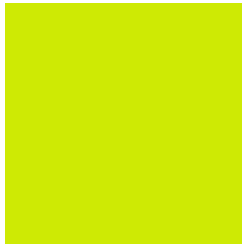
22, 102.743, 306.728



3, 36.013, 300.612

Previews

White Background



This preview shows how the CIELCh color 88, 91.512, 110.268 looks on a white background.

Color Contrast Check

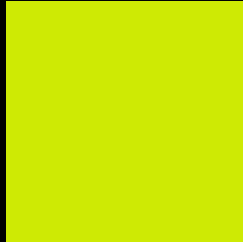
Large Text (above 18pt) WCAG AA × Fail

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 88, 91.512, 110.268 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 88, 91.512, 110.268

Background



This preview shows how black text looks on a background with the CIELCh color 88, 91.512, 110.268.

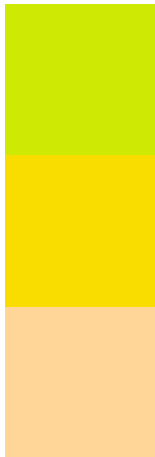


This preview shows how white text looks on a background with the CIELCh color 88, 91.512, 110.268.

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
88, 91.435, 110.280

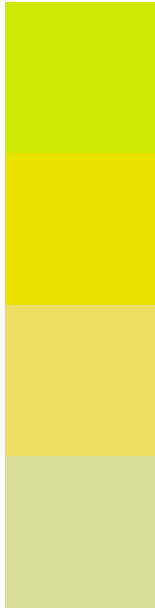
Protanopia
88, 87.893, 94.890

Deuteranopia
88, 36.487, 80.177



Tritanopia
88, 9.166, 304.157

Trichromacy



Original Color
88, 91.435, 110.280

Protanomaly
88, 88.420, 100.904

Deuteranomaly
87, 61.676, 98.669

Tritanomaly
87, 37.552, 110.663

Monochromacy



Original Color
88, 91.435, 110.280

Achromatopsia
80, 0.010, 296.813

Achromatomaly
82, 43.477, 111.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 91.512, 110.268 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(206, 234, 4)` looks like.

```
.text, #text, p{  
    color:rgb(206, 234, 4)  
}
```

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(206, 234, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 234, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 91.512, 110.268 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(206, 234, 4) }
```

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

```
.border{ border-color:rgb(206, 234, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 234, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 234, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 234, 4);  
box-shadow:4px 4px 4px 4px rgb(206, 234,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 91.512, 110.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 234, 4) }
```

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

```
.background{ background-color: rgb(206,  
234, 4) }
```

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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