

Converting Colors

CIELCh(88, 85.604, 103.573)

Have a look what the booklet for
CIELCh(88, 85.604, 103.573)
contains.

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Color

CIELCh(88, 85.543, 103.410)

Conversions

Conversions Part 1

Format	Color
Hex	E3E41F
RGB	227, 228, 31
RGB Percent	89%, 89%, 12%
CMY	0.1090, 0.1051, 0.8770
CMYK	0.00, 0.00, 0.86, 0.11
HSL	60°, 79%, 51%
HSV	60°, 86%, 89%
XYZ	59.7983, 72.0653, 12.0791
YIQ	205.2430, 62.6410, -61.4790

Conversions

Conversions Part 2

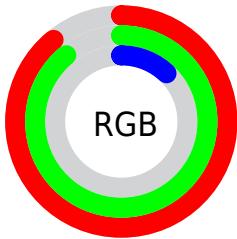
Format	Color
R _Y B	31, 228, 32
Decimal	14935071
CIE Lab	88.00, -19.84, 83.21
CIE LCh	88, 85.543, 103.410
Yxy	72.0653, 0.4154, 0.5007
Android (android.graphics.Color)	4293125151 (0xFFE3E41F)
YUV	205.2430, -85.9018, 19.0809
Hunter-Lab	84.8913, -22.8224, 50.9876

Details

The CIELCh color **88, 85.543, 103.410** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **32, 114.509, 305.017**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 74.053, 104.520**, and **68, 72.525, 104.987** is the 20% darker color. If you saturate the color by 10%, you get **88, 88.429, 103.212**, and if you desaturate by 10%, it is **88, 80.164, 103.817**.

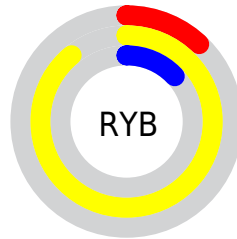
Distribution



Red (89%)

Green (89%)

Blue (12%)



Red (12%)

Yellow (89%)

Blue (13%)

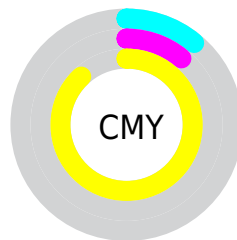


Cyan (0%)

Magenta (0%)

Yellow (86%)

Black (11%)



Cyan (11%)


Magenta (11%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 85.543, 103.410 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, 85.543, 103.410 by changing the saturation by 10% instead.


 88, 85.543,
103.410


 88, 85.543,
103.410


 100, 85.543,
103.410


 78, 85.543,
103.410

 68, 85.543,
103.410

 58, 85.543,
103.410

 48, 85.543,
103.410

 38, 85.543,
103.410


 28, 85.543,
103.410


 18, 85.543,


103.410


 8, 85.543, 103.410


 0, 85.543, 103.410

 88, 85.543,
103.410


 88, 85.543,
103.410


 88, 88.429,
103.212

 88, 80.164,
103.817

 88, 89.114,
103.169

 88, 72.606,
104.408

 88, 63.425,
105.146

 89, 53.147,
105.989

 89, 42.175,

106.899

■ 89, 30.781,
107.848

■ 90, 19.144,
108.813

■ 90, 7.380, 109.771

■ 91, 4.439, 290.745

Harmonies

Complementary

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



88, 85.543, 103.410



32, 114.509, 305.017

Rectangle

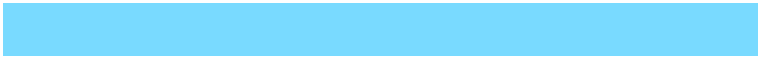
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 85.543, 103.410



88, 85.543, 153.410



88, 85.543, 283.410



88, 85.543, 333.410

Sweetspot

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



88, 85.543, 103.412



99, 33.354, 107.858



49, 87.388, 36.328



52, 22.559, 107.524



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, 85.543, 103.412



97, 96.915, 103.171



82, 94.839, 126.867



48, 6.730, 109.467



70, 74.156, 103.164



20, 29.316, 103.938

Inverse Universe

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



32, 114.509, 305.017



32, 133.794, 306.297



40, 107.675, 312.474



44, 6.881, 291.352



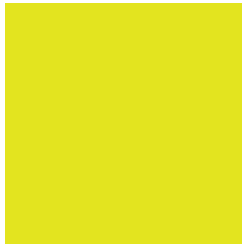
21, 102.365, 306.303



2, 33.685, 296.897

Previews

White Background



This preview shows how the CIELCh color 88, 85.543, 103.410 looks on a white background.

Color Contrast Check

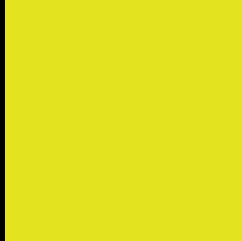
Large Text (above 18pt) WCAG AA × Fail

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, 85.543, 103.410 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, 85.543, 103.410

Background



This preview shows how black text looks on a background with the CIELCh color 88, 85.543, 103.410.



This preview shows how white text looks on a background with the CIELCh color 88, 85.543, 103.410.

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](#).

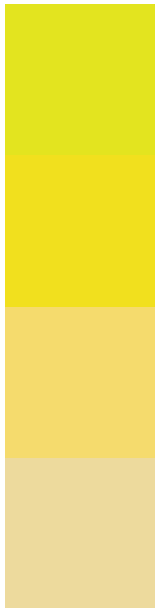
Dichromacy





Tritanopia
88, 13.999, 341.185

Trichromacy



Original Color
88, 85.543, 103.410

Protanomaly
88, 84.802, 98.154

Deuteranomaly
88, 56.686, 94.282

Tritanomaly
87, 32.515, 93.934

Monochromacy



Original Color
88, 85.543, 103.410

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 36.765, 106.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 85.543, 103.410 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(227, 228, 31)` looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 31)  
}
```

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(227, 228, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 85.543, 103.410 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(227, 228, 31) }
```

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

```
.border{ border-color:rgb(227, 228, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 31);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 85.543, 103.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 31) }
```

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

```
.background{ background-color: rgb(227,  
228, 31) }
```

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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