

Converting Colors

CIELCh(89, 85.413, 106.932)

Have a look what the booklet for
CIELCh(89, 85.413, 106.932)
contains.

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Color

CIELCh(89, 85.440, 106.965)

Conversions

Conversions Part 1

Format	Color
Hex	DDEA2A
RGB	221, 234, 42
RGB Percent	87%, 92%, 16%
CMY	0.1346, 0.0835, 0.8369
CMYK	0.06, 0.00, 0.82, 0.08
HSL	64°, 82%, 54%
HSV	64°, 82%, 92%
XYZ	59.4719, 74.1641, 13.3316
YIQ	208.2250, 53.8840, -62.4680

Conversions

Conversions Part 2

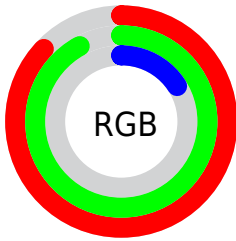
Format	Color
RYB	42, 234, 55
Decimal	14543402
CIELab	89.00, -24.93, 81.72
CIElCh	89, 85.440, 106.965
Yxy	74.1641, 0.4047, 0.5046
Android (android.graphics.Color)	4292733482 (0xFFDDEA2A)
YUV	208.2250, -81.9489, 11.2037
Hunter-Lab	86.1186, -27.4388, 51.1046

Details

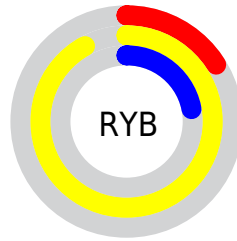
The CIELCh color **89, 85.440, 106.965** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **35, 111.969, 304.943**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 71.231, 104.732**, and **69, 74.429, 108.342** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.446, 106.939**, and if you desaturate by 10%, it is **89, 78.970, 107.262**.

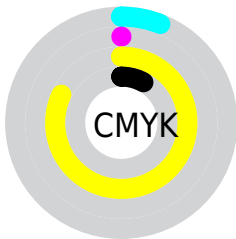
Distribution



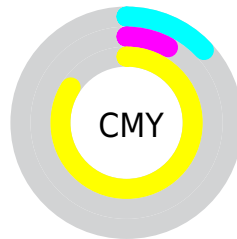
- Red (87%)
- Green (92%)
- Blue (16%)



- Red (16%)
- Yellow (92%)
- Blue (22%)



- Cyan (6%)
- Magenta (0%)
- Yellow (82%)
- Black (8%)





- Cyan (13%)
- Magenta (8%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 85.440, 106.965 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 89, 85.440, 106.965 by changing the saturation by 10% instead.


 89, 85.440,
106.965

 89, 85.440,
106.965


 100, 85.440,
106.965

 79, 85.440,
106.965

 69, 85.440,
106.965

 59, 85.440,
106.965

 49, 85.440,
106.965

 39, 85.440,
106.965


 29, 85.440,
106.965


 19, 85.440,


106.965

 9, 85.440, 106.965


 0, 85.440, 106.965


 89, 85.440,
106.965


 89, 85.440,
106.965


 89, 89.446,
106.939

 89, 78.970,
107.262

 89, 91.046,
107.084

 89, 70.502,
107.776

 90, 60.615,
108.446

 90, 49.795,
109.220

 91, 38.392,

110.055

■ 91, 26.642,
110.920

■ 92, 14.696,
111.792

■ 92, 2.652, 112.641

■ 93, 9.425, 293.504

Harmonies

Complementary

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



89, 85.440, 106.965



35, 111.969, 304.943

Rectangle

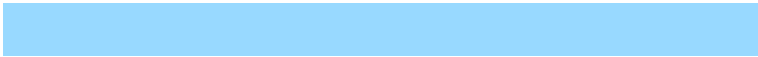
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 85.440, 106.965



89, 85.440, 156.965



89, 85.440, 286.965



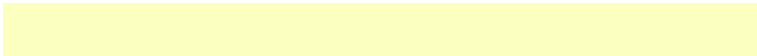
89, 85.440, 336.965

Sweetspot

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



89, 85.440, 106.967



98, 32.143, 110.667



52, 83.262, 36.889



52, 21.881, 110.361



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 85.440, 106.967



96, 97.076, 107.082



84, 96.009, 128.776



49, 6.864, 112.029



71, 75.194, 107.017



21, 30.696, 107.227

Inverse Universe

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



35, 111.969, 304.943



33, 133.048, 306.382



44, 105.558, 314.291



45, 7.018, 293.717



22, 103.125, 306.494



3, 35.879, 299.354

Previews

White Background



This preview shows how the CIELCh color 89, 85.440, 106.965 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 CIE LCh color 89, 85.440, 106.965 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 89, 85.440, 106.965

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.440, 106.965.



This preview shows how white text looks on a background with the CIELCh color 89, 85.440, 106.965.

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
89, 85.440, 106.965

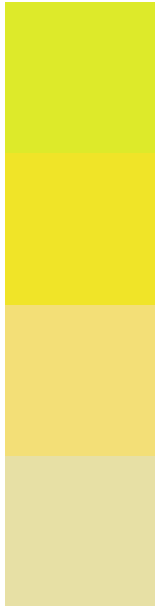
Protanopia
89, 83.567, 95.237

Deuteranopia
89, 31.613, 79.037



Tritanopia
89, 11.186, 327.870

Trichromacy



Original Color
89, 85.440, 106.965

Protanomaly
89, 83.900, 99.746

Deuteranomaly
89, 53.310, 96.744

Tritanomaly
88, 30.535, 102.443

Monochromacy



Original Color
89, 85.440, 106.965

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 36.194, 109.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.440, 106.965 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(221, 234, 42)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 42)  
}
```

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(221, 234, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.440, 106.965 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(221, 234, 42) }
```

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

```
.border{ border-color:rgb(221, 234, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 234, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 42);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.440, 106.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 42) }
```

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

```
.background{ background-color: rgb(221,  
234, 42) }
```

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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