

Converting Colors

CIELCh(88, 89.606, 105.331)

Have a look what the booklet for
CIELCh(88, 89.606, 105.331)
contains.

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Color

CIELCh(88, 89.592, 105.321)

Conversions

Conversions Part 1

Format	Color
Hex	DDE603
RGB	221, 230, 3
RGB Percent	87%, 90%, 1%
CMY	0.1328, 0.0975, 0.9902
CMYK	0.04, 0.00, 0.99, 0.10
HSL	62°, 98%, 46%
HSV	62°, 99%, 90%
XYZ	58.2074, 72.0653, 10.9132
YIQ	201.4310, 67.5030, -72.5050

Conversions

Conversions Part 2

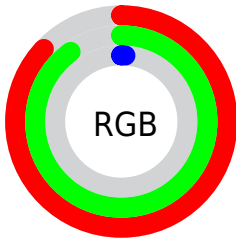
Format	Color
RYB	3, 230, 12
Decimal	14542339
CIELab	88.00, -23.67, 86.41
CIElCh	88, 89.592, 105.321
Yxy	72.0653, 0.4123, 0.5104
Android (android.graphics.Color)	4292732419 (0xFFDDE603)
YUV	201.4310, -97.8265, 17.1620
Hunter-Lab	84.8913, -26.1676, 51.8019

Details

The CIELCh color **88, 89.592, 105.321** 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 **29, 123.151, 306.301**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.517, 104.262**, and **68, 73.412, 107.742** is the 20% darker color. If you saturate the color by 10%, you get **88, 89.793, 105.330**, and if you desaturate by 10%, it is **88, 87.205, 105.313**.

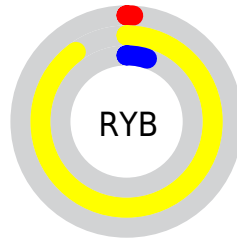
Distribution



Red (87%)

Green (90%)

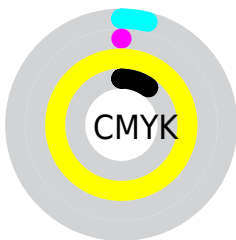
Blue (1%)



Red (1%)

Yellow (90%)

Blue (5%)

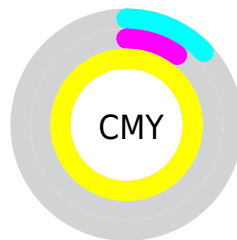


Cyan (4%)

Magenta (0%)

Yellow (99%)

Black (10%)



Cyan (13%)


Magenta (10%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 89.592, 105.321 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, 89.592, 105.321 by changing the saturation by 10% instead.


 88, 89.592,
105.321


 88, 89.592,
105.321


 100, 89.592,
105.321


 78, 89.592,
105.321

 68, 89.592,
105.321

 58, 89.592,
105.321

 48, 89.592,
105.321

 38, 89.592,
105.321


 28, 89.592,
105.321


 18, 89.592,


105.321


 8, 89.592, 105.321


 0, 89.592, 105.321

 88, 89.592,
105.321

 88, 89.592,
105.321

 88, 89.793,
105.330

 88, 87.205,
105.313

 88, 82.432,
105.536

 88, 75.344,
105.987

 89, 66.471,
106.617

 89, 56.367,

107.375

■ 89, 45.471,
108.216

■ 90, 34.087,
109.106

■ 90, 22.417,
110.016

■ 91, 10.591,
110.927

Harmonies

Complementary

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



88, 89.592, 105.321



29, 123.151, 306.301

Rectangle

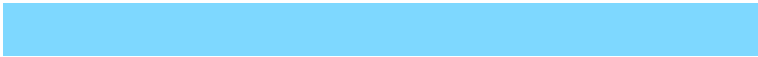
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 89.592, 105.321



88, 89.592, 155.321



88, 89.592, 285.321



88, 89.592, 335.321

Sweetspot

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



88, 89.591, 105.323



98, 38.405, 108.992



48, 95.766, 40.012



52, 26.111, 108.613



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, 89.591, 105.323



96, 97.038, 105.343



82, 101.885, 129.215



48, 6.735, 110.878



70, 74.247, 105.289



20, 29.323, 105.867

Inverse Universe

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



29, 123.151, 306.301



32, 133.645, 306.365



38, 114.360, 312.593



44, 6.886, 292.651



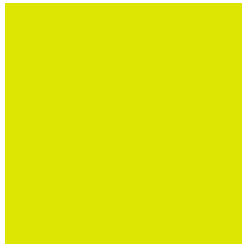
21, 102.187, 306.409



2, 33.745, 297.724

Previews

White Background



This preview shows how the CIELCh color 88, 89.592, 105.321 looks on a white background.

Color Contrast Check

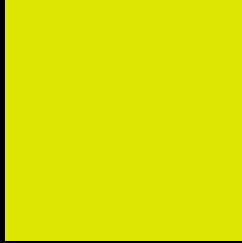
Large Text (above 18pt) WCAG AA × Fail

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, 89.592, 105.321 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, 89.592, 105.321

Background



This preview shows how black text looks on a background with the CIELCh color 88, 89.592, 105.321.

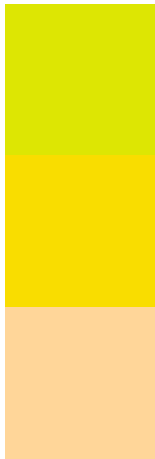


This preview shows how white text looks on a background with the CIELCh color 88, 89.592, 105.321.

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, 89.512, 105.329

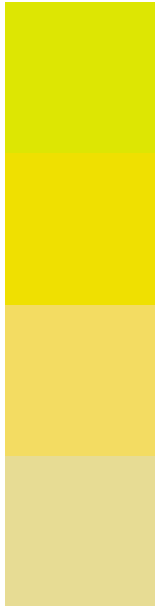
Protanopia
88, 87.893, 94.890

Deuteranopia
88, 36.023, 79.877



Tritanopia
88, 12.143, 333.362

Trichromacy



Original Color
88, 89.512, 105.329

Protanomaly
88, 88.027, 98.631

Deuteranomaly
88, 61.724, 95.896

Tritanomaly
87, 37.351, 100.196

Monochromacy



Original Color
88, 89.512, 105.329

Achromatopsia
81, 0.010, 296.813

Achromatomaly
83, 42.810, 108.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 89.592, 105.321 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, 230, 3)` looks like.

```
.text, #text, p{  
    color:rgb(221, 230, 3)  
}
```

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, 230, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 230, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 89.592, 105.321 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, 230, 3) }
```

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

```
.border{ border-color:rgb(221, 230, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 230, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 230, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 230, 3);  
box-shadow:4px 4px 4px 4px rgb(221, 230,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 89.592, 105.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 230, 3) }
```

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

```
.background{ background-color: rgb(221,  
230, 3) }
```

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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