

Converting Colors

CIELCh(89, 89.210, 107.416)

Have a look what the booklet for
CIELCh(89, 89.210, 107.416)
contains.

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Color

CIELCh(89, 89.331, 107.627)

Conversions

Conversions Part 1

Format	Color
Hex	DAEB16
RGB	218, 235, 22
RGB Percent	85%, 92%, 9%
CMY	0.1463, 0.0796, 0.9123
CMYK	0.07, 0.00, 0.90, 0.08
HSL	65°, 84%, 50%
HSV	65°, 90%, 92%
XYZ	58.5915, 74.1641, 12.0032
YIQ	205.6350, 58.2410, -69.8470

Conversions

Conversions Part 2

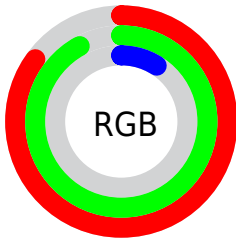
Format	Color
R _Y B	22, 235, 39
Decimal	14347030
CIE Lab	89.00, -27.05, 85.14
CIE LCh	89, 89.331, 107.627
Yxy	74.1641, 0.4048, 0.5123
Android (android.graphics.Color)	4292537110 (0xFFDAEB16)
YUV	205.6350, -90.5321, 10.8441
Hunter-Lab	86.1186, -29.2636, 52.0192

Details

The CIELCh color **89, 89.331, 107.627** 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 **32, 120.053, 305.963**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.229, 104.432**, and **69, 75.021, 109.973** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.459, 107.846**, and if you desaturate by 10%, it is **89, 84.850, 107.659**.

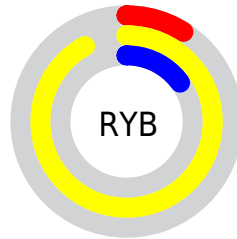
Distribution



Red (85%)

Green (92%)

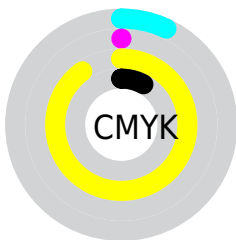
Blue (9%)



Red (9%)

Yellow (92%)

Blue (15%)

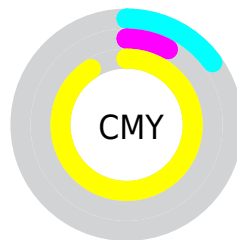


Cyan (7%)

Magenta (0%)

Yellow (90%)

Black (8%)



Cyan (15%)


Magenta (8%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 89.331, 107.627 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, 89.331, 107.627 by changing the saturation by 10% instead.

 89, 89.331,
107.627

 89, 89.331,
107.627

 100, 89.331,
107.627

 79, 89.331,
107.627

 69, 89.331,
107.627

 59, 89.331,
107.627

 49, 89.331,
107.627

 39, 89.331,
107.627


 29, 89.331,
107.627

 19, 89.331,


107.627

 9, 89.331, 107.627

 0, 89.331, 107.627


 89, 89.331,
107.627


 89, 89.331,
107.627

 89, 91.459,
107.846

 89, 84.850,
107.659

 89, 77.958,
107.962

 90, 69.164,
108.481

 90, 59.040,
109.151

 91, 48.052,

109.920

■ 91, 36.528,
110.744

■ 92, 24.686,
111.594

■ 92, 12.668,
112.447

■ 93, 0.566, 113.224

Harmonies

Complementary

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



89, 89.331, 107.627



32, 120.053, 305.963

Rectangle

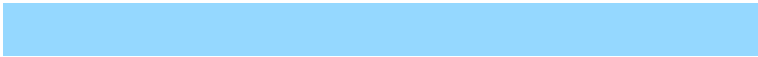
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 89.331, 107.627



89, 89.331, 157.627



89, 89.331, 287.627



89, 89.331, 337.627

Sweetspot

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



89, 89.331, 107.629



98, 34.693, 111.028



51, 91.252, 38.939



52, 23.321, 110.738



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, 89.331, 107.629



96, 97.384, 107.868



83, 101.193, 129.330



49, 6.868, 112.532



70, 75.289, 107.765



21, 30.720, 107.906

Inverse Universe

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



32, 120.053, 305.963



33, 133.415, 306.471



42, 111.628, 313.988



45, 7.021, 294.183



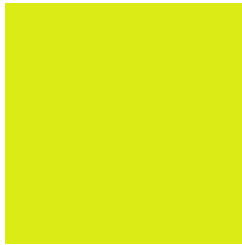
22, 103.051, 306.539



3, 35.909, 299.646

Previews

White Background



This preview shows how the CIELCh color 89, 89.331, 107.627 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 89, 89.331, 107.627 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, 89.331, 107.627

Background



This preview shows how black text looks on a background with the CIELCh color 89, 89.331, 107.627.

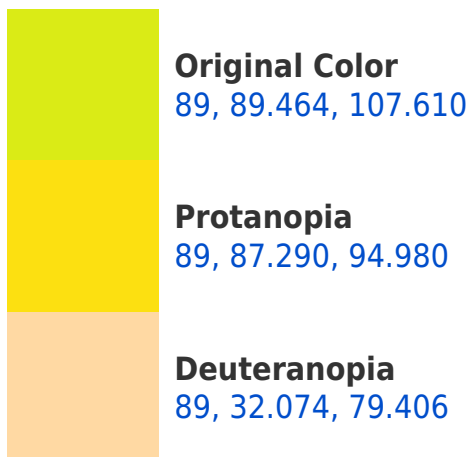


This preview shows how white text looks on a background with the CIELCh color 89, 89.331, 107.627.

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](#).

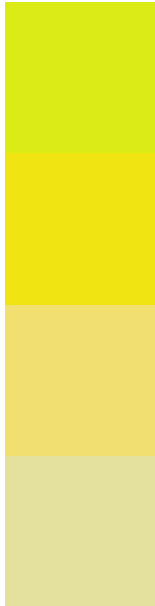
Dichromacy





Tritanopia
89, 10.575, 323.202

Trichromacy



Original Color
89, 89.464, 107.610

Protanomaly
89, 87.503, 99.600

Deuteranomaly
88, 56.398, 97.782

Tritanomaly
88, 33.988, 104.647

Monochromacy



Original Color
89, 89.464, 107.610

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 39.767, 110.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 89.331, 107.627 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(218, 235, 22)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 22)  
}
```

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(218, 235, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 89.331, 107.627 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(218, 235, 22) }
```

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

```
.border{ border-color:rgb(218, 235, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 235, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 22);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 89.331, 107.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 22) }
```

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

```
.background{ background-color: rgb(218,  
235, 22) }
```

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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