

Converting Colors

CIELCh(89, 16.175, 286.724)

Have a look what the booklet for
CIELCh(89, 16.175, 286.724)
contains.

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Color

CIELCh(89, 16.189, 286.731)

Conversions

Conversions Part 1

Format	Color
Hex	DADEFD
RGB	218, 222, 253
RGB Percent	85%, 87%, 99%
CMY	0.1455, 0.1298, 0.0082
CMYK	0.14, 0.12, 0.00, 0.01
HSL	233°, 89%, 92%
HSV	233°, 14%, 99%
XYZ	72.6909, 74.1641, 103.3263
YIQ	224.3380, -12.3350, 8.7930

Conversions

Conversions Part 2

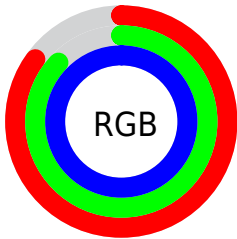
Format	Color
R _Y B	218, 222, 253
Decimal	14343933
CIE Lab	89.00, 4.66, -15.50
CIE LCh	89, 16.189, 286.731
Yxy	74.1641, 0.2906, 0.2964
Android (android.graphics.Color)	4292534013 (0xFFDADEFD)
YUV	224.3380, 14.1304, -5.5584
Hunter-Lab	86.1186, -0.0394, -10.8539

Details

The CIELCh color `89, 16.189, 286.731` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 15.808, 103.609`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 15.968, 286.759` is the 20% darker color. If you saturate the color by 10%, you get `82, 28.387, 288.142`, and if you desaturate by 10%, it is `96, 4.420, 285.542`.

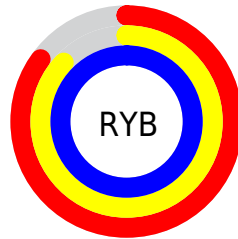
Distribution



Red (85%)

Green (87%)

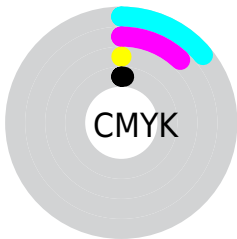
Blue (99%)



Red (85%)

Yellow (87%)

Blue (99%)

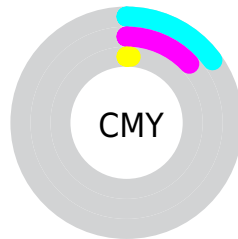


Cyan (14%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (15%)


Magenta (13%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 16.189, 286.731 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, 16.189, 286.731 by changing the saturation by 10% instead.


 89, 16.189,
286.731


 89, 16.189,
286.731


 100, 16.189,
286.731


 79, 16.189,
286.731

 69, 16.189,
286.731

 59, 16.189,
286.731

 49, 16.189,
286.731

 39, 16.189,
286.731

 29, 16.189,
286.731

 19, 16.189,

286.731

■ 9, 16.189, 286.731

■ 0, 16.189, 286.731

■ 89, 16.189,
286.731

■ 89, 16.189,
286.731

■ 82, 28.387,
288.142

■ 96, 4.420, 285.542

■ 74, 41.059,
289.805

100, 1.055,
110.026

■ 67, 54.238,
291.747

■ 59, 67.938,
293.982

■ 52, 82.084,

296.480

■ 46, 96.371,
299.136

■ 40, 110.025,
301.736

■ 36, 121.611,
303.972

■ 34, 126.983,
305.005

Harmonies

Complementary

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



89, 16.189, 286.731



97, 15.808, 103.609

Rectangle

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



89, 16.189, 286.731



89, 16.189, 336.731



89, 16.189, 106.731



89, 16.189, 156.731

Sweetspot

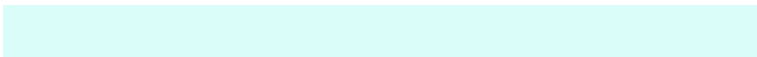
The Sweet Spot groups the original color and five complimentary colors.



89, 16.187, 286.727



97, 4.638, 285.559



97, 12.131, 188.734



51, 3.299, 285.639



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, 16.187, 286.727



87, 20.131, 287.150



89, 18.901, 305.633



49, 6.646, 286.185



25, 101.911, 304.725



5, 40.489, 299.663

Inverse Universe

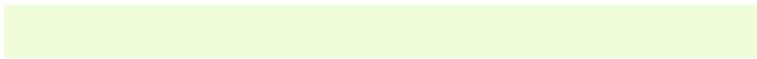
The Inverse Universe completely reimagines the original color for something new.



90, 13.001, 11.185



89, 16.241, 11.529



98, 18.455, 124.191



50, 5.303, 10.737



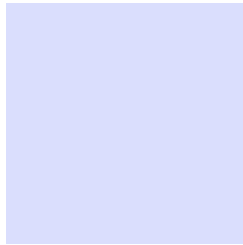
40, 79.279, 35.196



10, 32.504, 22.517

Previews

White Background



This preview shows how the CIE LCh color 89, 16.189, 286.731 looks on a white background.

Color Contrast Check

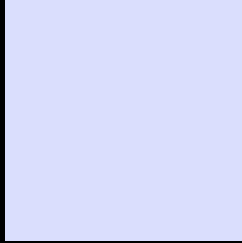
Large Text (above 18pt) WCAG AA × Fail

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, 16.189, 286.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

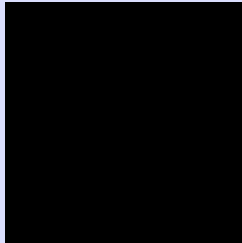
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.189, 286.731

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.189, 286.731.

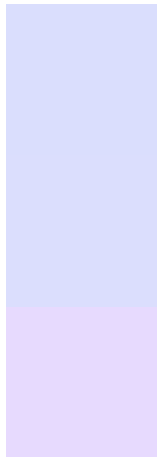


This preview shows how white text looks on a background with the CIELCh color 89, 16.189, 286.731.

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, 16.189, 286.731

Protanopia

89, 16.171, 287.914

Deuteranopia

89, 19.372, 304.865



Tritanopia
89, 9.716, 274.555

Trichromacy



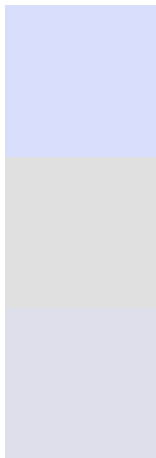
Original Color
89, 16.189, 286.731

Protanomaly
89, 16.171, 287.914

Deuteranomaly
89, 18.465, 299.019

Tritanomaly
89, 12.118, 281.456

Monochromacy



Original Color
89, 16.189, 286.731

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 6.261, 287.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.189, 286.731 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, 222, 253)` looks like.

```
.text, #text, p{  
    color:rgb(218, 222, 253)  
}
```

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, 222, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 222, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.189, 286.731 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, 222, 253) }
```

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

```
.border{ border-color:rgb(218, 222, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 222, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 222, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 222, 253);  
box-shadow:4px 4px 4px 4px rgb(218, 222,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.189, 286.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 222, 253) }
```

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

```
.background{ background-color: rgb(218,  
222, 253) }
```

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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