

Converting Colors

CIELCh(89, 9.642, 239.265)

Have a look what the booklet for
CIELCh(89, 9.642, 239.265) contains.

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Color

CIELCh(89, 9.635, 239.638)

Conversions

Conversions Part 1

Format	Color
Hex	CDE3EF
RGB	205, 227, 239
RGB Percent	80%, 89%, 94%
CMY	0.1960, 0.1097, 0.0627
CMYK	0.14, 0.05, 0.00, 0.06
HSL	201°, 52%, 87%
HSV	201°, 14%, 94%
XYZ	68.2396, 74.1641, 92.3959
YIQ	221.7900, -16.9640, -0.9320

Conversions

Conversions Part 2

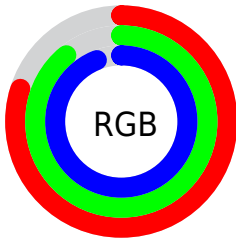
Format	Color
R _Y B	205, 218, 239
Decimal	13493231
CIE Lab	89.00, -4.87, -8.31
CIE LCh	89, 9.635, 239.638
Yxy	74.1641, 0.2906, 0.3159
Android (android.graphics.Color)	4291683311 (0xFFCDE3EF)
YUV	221.7900, 8.4845, -14.7248
Hunter-Lab	86.1186, -9.2658, -3.3287

Details

The CIELCh color `89, 9.635, 239.638` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 10.331, 56.843`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 9.457, 238.794` is the 20% darker color. If you saturate the color by 10%, you get `85, 16.076, 240.926`, and if you desaturate by 10%, it is `93, 2.914, 238.689`.

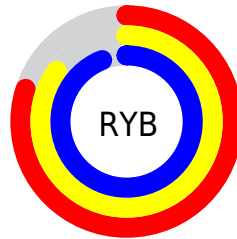
Distribution



Red (80%)

Green (89%)

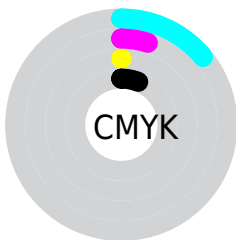
Blue (94%)



Red (80%)

Yellow (85%)

Blue (94%)

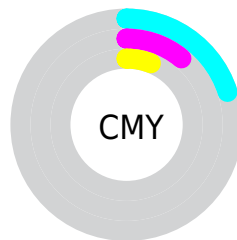


Cyan (14%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (20%)

Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 9.635, 239.638 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, 9.635, 239.638 by changing the saturation by 10% instead.

89, 9.635, 239.638

89, 9.635, 239.638

100, 9.635,
239.638

79, 9.635, 239.638

69, 9.635, 239.638

59, 9.635, 239.638

49, 9.635, 239.638

39, 9.635, 239.638

29, 9.635, 239.638

19, 9.635, 239.638

9, 9.635, 239.638

0, 9.635, 239.638

89, 9.635, 239.638

89, 9.635, 239.638

85, 16.076,
240.926

93, 2.914, 238.689

82, 22.170,
242.558

97, 4.024, 57.501

99, 6.804, 101.580

78, 27.851,
244.590

100, 8.088,
109.563

75, 33.065,
247.105

71, 37.787,
250.189

68, 42.040,
253.910

65, 45.914,
258.288

63, 49.574,
263.248

■ 61, 51.706,
266.219

Harmonies

Complementary

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



89, 9.635, 239.638



88, 10.331, 56.843

Rectangle

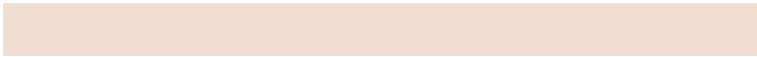
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



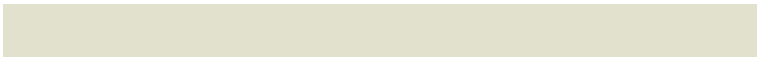
89, 9.635, 239.638



89, 9.635, 289.638



89, 9.635, 59.638



89, 9.635, 109.638

Sweetspot

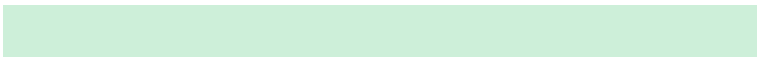
The Sweet Spot groups the original color and five complimentary colors.



89, 9.635, 239.626



98, 2.908, 238.678



92, 16.735, 155.320



52, 2.064, 238.720



0, 0.000, 0.000



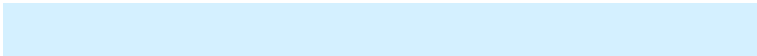
53, 0.007, 296.813

Same Dimension

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



89, 9.635, 239.626



93, 12.068, 239.963



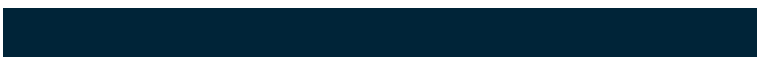
85, 15.286, 284.971



48, 3.891, 239.119



48, 41.955, 265.279



13, 16.801, 256.805

Inverse Universe

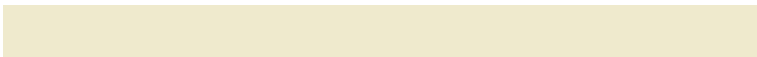
The Inverse Universe completely reimagines the original color for something new.



86, 16.845, 337.529



89, 21.256, 337.754



92, 14.968, 101.674



47, 6.719, 337.155



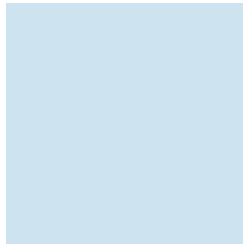
40, 69.904, 348.951



9, 31.412, 345.159

Previews

White Background



This preview shows how the CIELCh color 89, 9.635, 239.638 looks on a white background.

Color Contrast Check

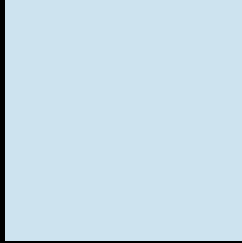
Large Text (above 18pt) WCAG AA × Fail

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, 9.635, 239.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

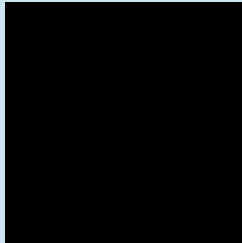
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

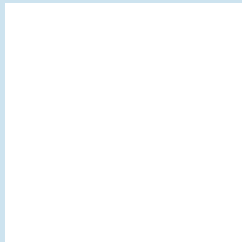
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 9.635, 239.638

Background



This preview shows how black text looks on a background with the CIELCh color 89, 9.635, 239.638.



This preview shows how white text looks on a background with the CIELCh color 89, 9.635, 239.638.

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](#).

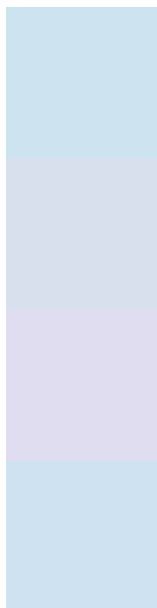
Dichromacy





Tritanopia
89, 11.410, 254.659

Trichromacy



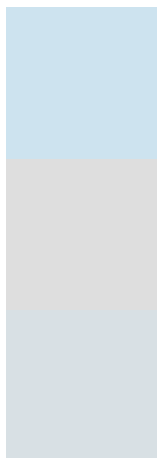
Original Color
89, 9.635, 239.638

Protanomaly
89, 7.269, 268.350

Deuteranomaly
89, 10.032, 298.948

Tritanomaly
89, 10.608, 251.138

Monochromacy



Original Color
89, 9.635, 239.638

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 3.478, 236.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 9.635, 239.638 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(205, 227, 239)` looks like.

```
.text, #text, p{  
    color:rgb(205, 227, 239)  
}
```

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(205, 227, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 227, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 9.635, 239.638 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(205, 227, 239) }
```

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

```
.border{ border-color:rgb(205, 227, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 227, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 227, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 227, 239);  
box-shadow:4px 4px 4px 4px rgb(205, 227,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 9.635, 239.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 227, 239) }
```

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

```
.background{ background-color: rgb(205,  
227, 239) }
```

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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