

Converting Colors

CIELCh(89, 12.612, 243.576)

Have a look what the booklet for
CIELCh(89, 12.612, 243.576)
contains.

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Color

CIElCh(89, 12.698, 243.362)

Conversions

Conversions Part 1

Format	Color
Hex	C8E4F5
RGB	200, 228, 245
RGB Percent	78%, 89%, 96%
CMY	0.2167, 0.1069, 0.0402
CMYK	0.18, 0.07, 0.00, 0.04
HSL	203°, 69%, 87%
HSV	203°, 18%, 96%
XYZ	67.8640, 74.1641, 96.9129
YIQ	221.5660, -22.1450, -0.6490

Conversions

Conversions Part 2

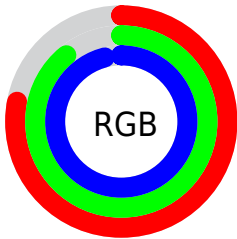
Format	Color
R _{YB}	200, 217, 245
Decimal	13165813
CIE Lab	89.00, -5.69, -11.35
CIE LCh	89, 12.698, 243.362
Yxy	74.1641, 0.2840, 0.3104
Android (android.graphics.Color)	4291355893 (0xFFC8E4F5)
YUV	221.5660, 11.5530, -18.9134
Hunter-Lab	86.1186, -10.0444, -6.4385

Details

The CIELCh color `89, 12.698, 243.362` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `88, 13.835, 59.404`, 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, 12.615, 243.198` is the 20% darker color. If you saturate the color by 10%, you get `85, 19.228, 244.886`, and if you desaturate by 10%, it is `93, 5.887, 242.143`.

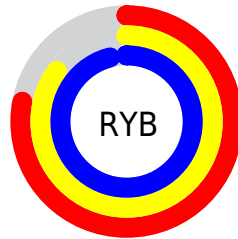
Distribution



Red (78%)

Green (89%)

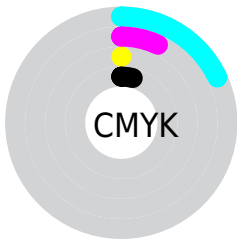
Blue (96%)



Red (78%)

Yellow (85%)

Blue (96%)

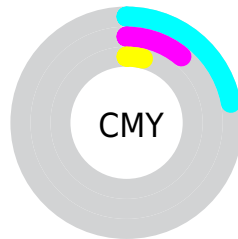


Cyan (18%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (22%)


Magenta (11%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 12.698, 243.362 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, 12.698, 243.362 by changing the saturation by 10% instead.


 89, 12.698,
243.362

 89, 12.698,
243.362


 100, 12.698,
243.362


 79, 12.698,
243.362

 69, 12.698,
243.362

 59, 12.698,
243.362

 49, 12.698,
243.362

 39, 12.698,
243.362

 29, 12.698,
243.362

 19, 12.698,

243.362

■ 9, 12.698, 243.362

■ 0, 12.698, 243.362

■ 89, 12.698,
243.362

■ 89, 12.698,
243.362

■ 85, 19.228,
244.886

■ 93, 5.887, 242.143

■ 81, 25.417,
246.783

■ 97, 1.143, 60.555

■ 77, 31.208,
249.119

■ 100, 5.193,
109.775

■ 74, 36.567,
251.977

■ 70, 41.495,

255.431

■ 67, 46.051,
259.518

■ 64, 50.365,
264.207

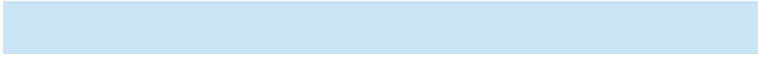
■ 61, 54.636,
269.318

■ 61, 55.351,
270.126

Harmonies

Complementary

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



89, 12.698, 243.362



88, 13.835, 59.404

Rectangle

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



89, 12.698, 243.362



89, 12.698, 293.362



89, 12.698, 63.362



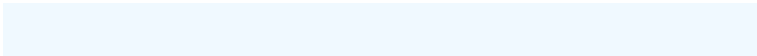
89, 12.698, 113.362

Sweetspot

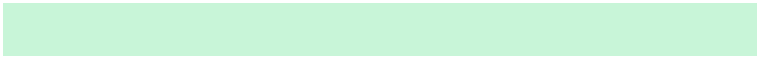
The Sweet Spot groups the original color and five complimentary colors.



89, 12.697, 243.354



97, 4.373, 241.916



93, 21.784, 155.670



52, 2.897, 241.975



0, 0.000, 0.000



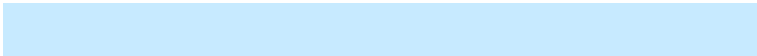
53, 0.007, 296.813

Same Dimension

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



89, 12.697, 243.354



91, 15.605, 243.877



83, 20.661, 286.403



49, 3.985, 242.260



47, 44.503, 269.178



13, 18.012, 261.145

Inverse Universe

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



85, 21.871, 339.005



86, 27.111, 339.317



94, 20.065, 102.118



48, 6.716, 338.276



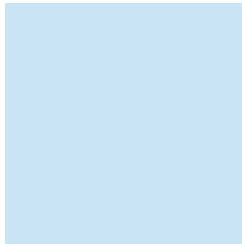
41, 69.705, 351.020



9, 31.846, 346.997

Previews

White Background



This preview shows how the CIE LCh color 89, 12.698, 243.362 looks on a white background.

Color Contrast Check

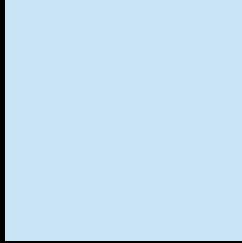
Large Text (above 18pt) WCAG AA × Fail

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, 12.698, 243.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

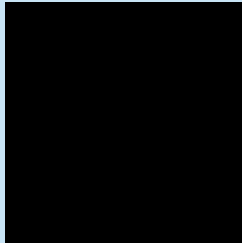
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

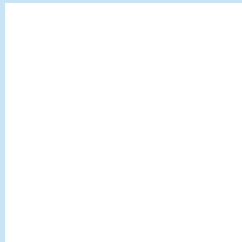
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.698, 243.362

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.698, 243.362.



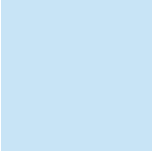
This preview shows how white text looks on a background with the CIELCh color 89, 12.698, 243.362.

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](#).

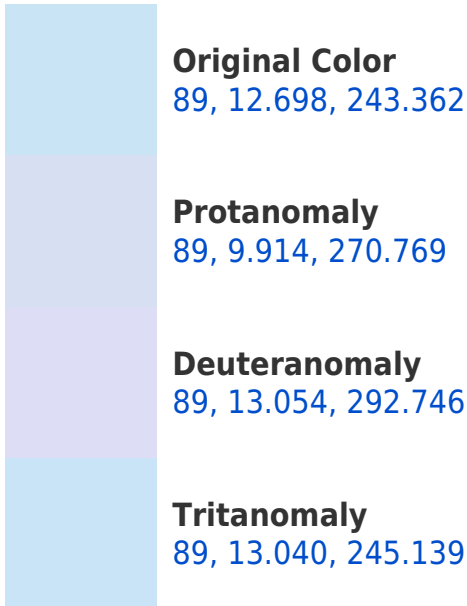
Dichromacy



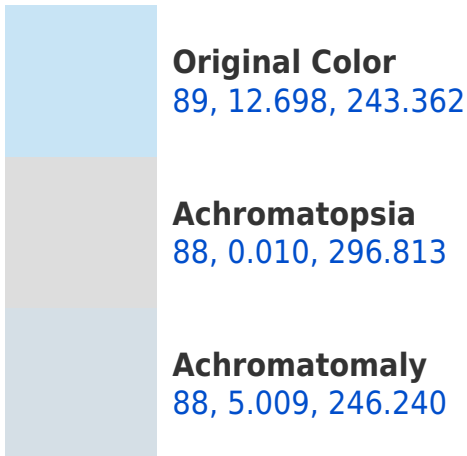


Tritanopia
89, 13.040, 245.139

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 12.698, 243.362 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(200, 228, 245)` looks like.

```
.text, #text, p{  
    color:rgb(200, 228, 245)  
}
```

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(200, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 228, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.698, 243.362 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(200, 228, 245) }
```

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

```
.border{ border-color:rgb(200, 228, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 228, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(200, 228,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.698, 243.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 228, 245) }
```

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

```
.background{ background-color: rgb(200,  
228, 245) }
```

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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