

Converting Colors

CIELCh(89, 8.535, 266.886)

Have a look what the booklet for
CIELCh(89, 8.535, 266.886) contains.

CIELCh(89, 8.950, 268.308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 8.950, 268.308)

Conversions

Conversions Part 1

Format	Color
Hex	D6E0F0
RGB	214, 224, 240
RGB Percent	84%, 88%, 94%
CMY	0.1594, 0.1202, 0.0574
CMYK	0.11, 0.07, 0.00, 0.06
HSL	217°, 47%, 89%
HSV	217°, 11%, 94%
XYZ	70.3674, 74.1641, 93.3249
YIQ	222.8340, -11.0960, 2.8560

Conversions

Conversions Part 2

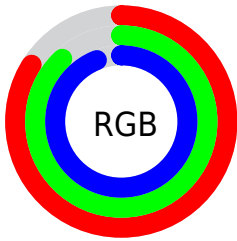
Format	Color
RYB	214, 221, 240
Decimal	14082288
CIELab	89.00, -0.26, -8.95
CIELCh	89, 8.950, 268.308
Yxy	74.1641, 0.2958, 0.3118
Android (android.graphics.Color)	4292272368 (0xFFD6E0F0)
YUV	222.8340, 8.4628, -7.7474
Hunter-Lab	86.1186, -4.8555, -3.9683

Details

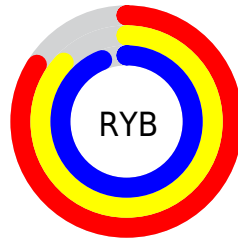
The CIELCh color `89, 8.950, 268.308` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 9.018, 85.383`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 8.908, 267.304` is the 20% darker color. If you saturate the color by 10%, you get `84, 17.289, 269.878`, and if you desaturate by 10%, it is `94, 0.684, 267.363`.

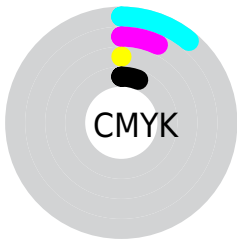
Distribution



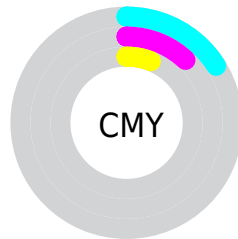
- Red (84%)
- Green (88%)
- Blue (94%)



- Red (84%)
- Yellow (87%)
- Blue (94%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (16%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 8.950, 268.308 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, 8.950, 268.308 by changing the saturation by 10% instead.

■ 89, 8.950, 268.308

■ 89, 8.950, 268.308

■ 100, 8.950,
268.308

■ 79, 8.950, 268.308

■ 69, 8.950, 268.308

■ 59, 8.950, 268.308

■ 49, 8.950, 268.308

■ 39, 8.950, 268.308

■ 29, 8.950, 268.308

■ 19, 8.950, 268.308

■ 9, 8.950, 268.308

■ 0, 8.950, 268.308

89, 8.950, 268.308

89, 8.950, 268.308

84, 17.289,
269.878

94, 0.684, 267.363

78, 25.699,
271.747

99, 6.883, 106.494

73, 34.181,
273.948

100, 7.410,
109.613

67, 42.750,
276.525

62, 51.440,
279.512

57, 60.301,
282.906

52, 69.387,
286.646

48, 78.705,
290.586

■ 44, 87.383,
294.131

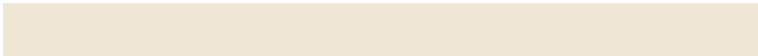
Harmonies

Complementary

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



89, 8.950, 268.308



92, 9.018, 85.383

Rectangle

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



89, 8.950, 268.308



89, 8.950, 318.308



89, 8.950, 88.308



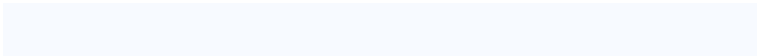
89, 8.950, 138.308

Sweetspot

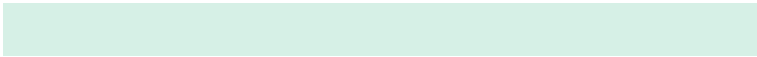
The Sweet Spot groups the original color and five complimentary colors.



89, 8.949, 268.297



98, 2.600, 267.306



93, 10.651, 168.482



52, 1.970, 267.384



0, 0.000, 0.000



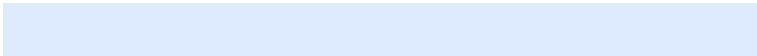
53, 0.007, 296.813

Same Dimension

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



89, 8.949, 268.297



93, 11.289, 268.624



87, 13.688, 295.057



47, 4.687, 268.106



34, 70.117, 293.444



8, 26.103, 286.794

Inverse Universe

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



88, 10.787, 351.326



91, 13.645, 351.558



94, 13.353, 113.225



47, 5.640, 351.186



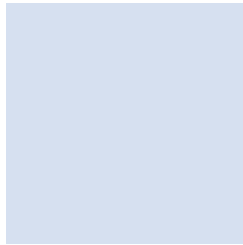
39, 66.464, 13.123



8, 28.802, 4.605

Previews

White Background



This preview shows how the CIELCh color 89, 8.950, 268.308 looks on a white background.

Color Contrast Check

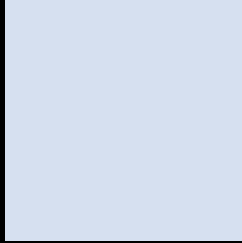
Large Text (above 18pt) WCAG AA × Fail

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, 8.950, 268.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

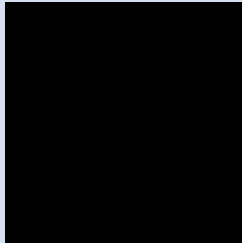
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

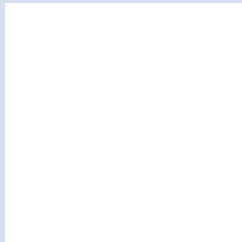
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 8.950, 268.308

Background



This preview shows how black text looks on a background with the CIELCh color 89, 8.950, 268.308.



This preview shows how white text looks on a background with the CIELCh color 89, 8.950, 268.308.

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

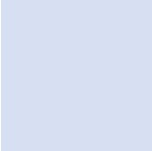
89, 8.950, 268.308

Protanopia

89, 8.878, 293.149

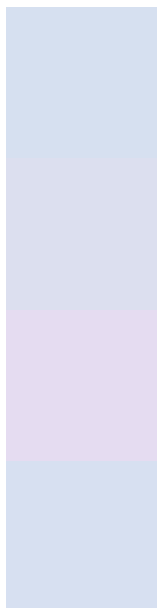
Deuteranopia

89, 14.873, 319.254



Tritanopia
89, 9.810, 272.641

Trichromacy



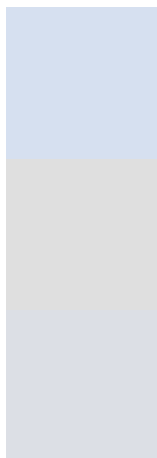
Original Color
89, 8.950, 268.308

Protanomaly
89, 8.386, 283.753

Deuteranomaly
89, 11.440, 306.950

Tritanomaly
89, 9.319, 271.560

Monochromacy



Original Color
89, 8.950, 268.308

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.291, 271.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 8.950, 268.308 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(214, 224, 240)` looks like.

```
.text, #text, p{  
    color:rgb(214, 224, 240)  
}
```

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(214, 224, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 224, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 8.950, 268.308 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(214, 224, 240) }
```

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

```
.border{ border-color:rgb(214, 224, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 224, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 224, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 224, 240);  
box-shadow:4px 4px 4px 4px rgb(214, 224,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 8.950, 268.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 224, 240) }
```

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

```
.background{ background-color: rgb(214,  
224, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor