

Converting Colors

CIELCh(86, 5.855, 291.732)

Have a look what the booklet for
CIELCh(86, 5.855, 291.732) contains.

CIELCh(86, 5.780, 290.676)	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(86, 5.780, 290.676)

Conversions

Conversions Part 1

Format	Color
Hex	D6D6E1
RGB	214, 214, 225
RGB Percent	84%, 84%, 88%
CMY	0.1599, 0.1599, 0.1167
CMYK	0.05, 0.05, 0.00, 0.12
HSL	240°, 16%, 86%
HSV	240°, 5%, 88%
XYZ	65.5238, 67.9871, 81.0674
YIQ	215.2540, -3.5310, 3.4210

Conversions

Conversions Part 2

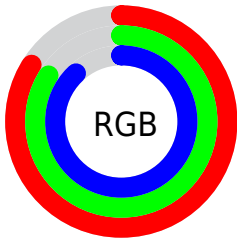
Format	Color
R_{YB}	214, 214, 225
Decimal	14079713
CIE _{Lab}	86.00, 2.04, -5.41
CIE _{LCh}	86, 5.780, 290.676
Yxy	67.9871, 0.3054, 0.3168
Android (android.graphics.Color)	4292269793 (0xFFD6D6E1)
YUV	215.2540, 4.8048, -1.0998
Hunter-Lab	82.4543, -2.4468, -0.5747

Details

The CIELCh color `86, 5.780, 290.676` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `89, 5.699, 109.686`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `66, 6.106, 290.826` is the 20% darker color. If you saturate the color by 10%, you get `79, 17.947, 291.782`, and if you desaturate by 10%, it is `93, 5.912, 109.686`.

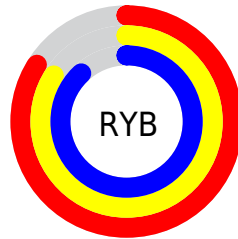
Distribution



Red (84%)

Green (84%)

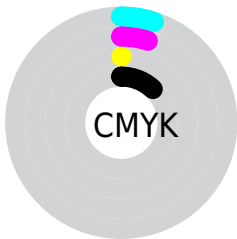
Blue (88%)



Red (84%)

Yellow (84%)

Blue (88%)

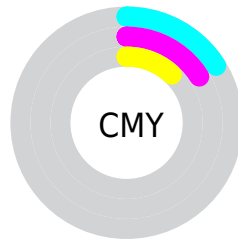


Cyan (5%)

Magenta (5%)

Yellow (0%)

Black (12%)



Cyan (16%)

Magenta (16%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 5.780, 290.676 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 86, 5.780, 290.676 by changing the saturation by 10% instead.

■ 86, 5.780, 290.676

■ 86, 5.780, 290.676

■ 100, 5.780,
290.676

■ 76, 5.780, 290.676

■ 66, 5.780, 290.676

■ 56, 5.780, 290.676

■ 46, 5.780, 290.676

■ 36, 5.780, 290.676

■ 26, 5.780, 290.676

■ 16, 5.780, 290.676

■ 6, 5.780, 290.676

■ 0, 5.780, 290.676

86, 5.780, 290.676

86, 5.780, 290.676

79, 17.947,
291.782

93, 5.912, 109.686

71, 30.634,
293.110

99, 15.061,
109.039

64, 43.875,
294.672

56, 57.680,
296.485

49, 71.974,
298.537

42, 86.454,
300.747

36, 100.326,
302.928

32, 112.018,
304.768

■ 29,119.482,
305.926

Harmonies

Complementary

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



86, 5.780, 290.676



89, 5.699, 109.686

Rectangle

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



86, 5.780, 290.676



86, 5.780, 340.676



86, 5.780, 110.676



86, 5.780, 160.676

Sweetspot

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



86, 5.778, 290.664



99, 1.307, 290.322



89, 3.890, 197.880



53, 0.744, 290.321



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 5.778, 290.664



95, 7.865, 290.783



86, 6.102, 308.682



44, 4.702, 290.842



21, 101.291, 306.283



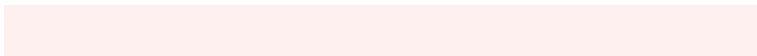
2, 31.628, 295.823

Inverse Universe

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



87, 4.007, 19.529



96, 5.468, 19.633



89, 6.043, 128.288



45, 3.273, 19.681



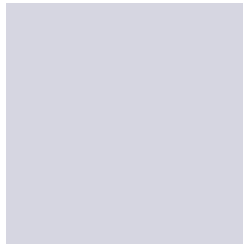
36, 79.101, 39.941



6, 25.540, 20.926

Previews

White Background



This preview shows how the CIELCh color 86, 5.780, 290.676 looks on a white background.

Color Contrast Check

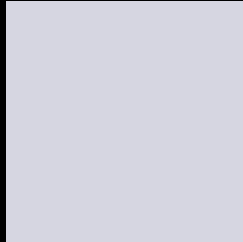
Large Text (above 18pt) WCAG AA × Fail

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 86, 5.780, 290.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

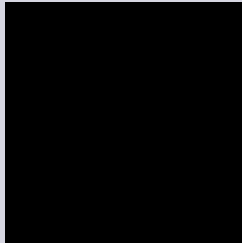
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

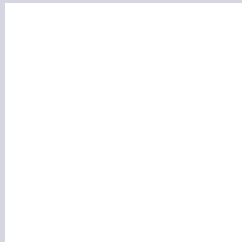
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 5.780, 290.676

Background



This preview shows how black text looks on a background with the CIELCh color 86, 5.780, 290.676.

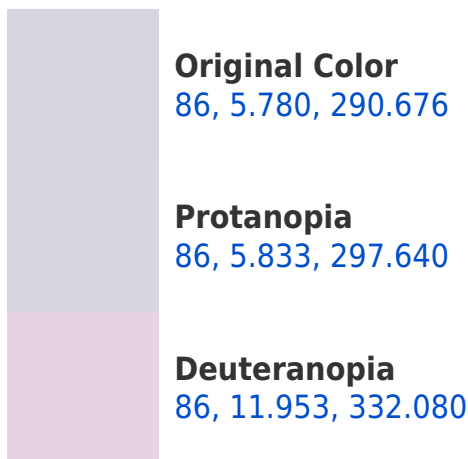


This preview shows how white text looks on a background with the CIELCh color 86, 5.780, 290.676.

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
86, 8.972, 295.407

Trichromacy



Original Color
86, 5.780, 290.676

Protanomaly
86, 5.796, 294.170

Deuteranomaly
86, 9.374, 322.949

Tritanomaly
86, 7.926, 295.933

Monochromacy



Original Color
86, 5.780, 290.676

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 2.106, 290.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 5.780, 290.676 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, 214, 225)` looks like.

```
.text, #text, p{  
    color:rgb(214, 214, 225)  
}
```

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, 214, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 214, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 5.780, 290.676 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, 214, 225) }
```

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

```
.border{ border-color:rgb(214, 214, 225) }
```

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

Here you see how a box with a 4 pixel rgb(214, 214, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 214, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 214, 225);  
box-shadow:4px 4px 4px 4px rgb(214, 214,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 5.780, 290.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 214, 225) }
```

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

```
.background{ background-color: rgb(214,  
214, 225) }
```

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