

Converting Colors

CIELCh(87, 5.582, 278.005)

Have a look what the booklet for
CIELCh(87, 5.582, 278.005) contains.

CIELCh(87, 5.400, 275.552)	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(87, 5.400, 275.552)

Conversions

Conversions Part 1

Format	Color
Hex	D6DAE4
RGB	214, 218, 228
RGB Percent	84%, 85%, 89%
CMY	0.1610, 0.1453, 0.1061
CMYK	0.06, 0.04, 0.00, 0.11
HSL	223°, 21%, 87%
HSV	223°, 6%, 89%
XYZ	66.7742, 70.0064, 83.3575
YIQ	217.9440, -5.5940, 2.2620

Conversions

Conversions Part 2

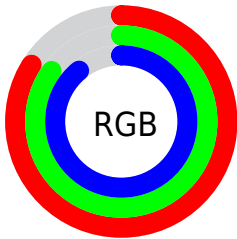
Format	Color
R _Y B	214, 217, 228
Decimal	14080740
CIE Lab	87.00, 0.52, -5.37
CIE LCh	87, 5.400, 275.552
Yxy	70.0064, 0.3033, 0.3180
Android (android.graphics.Color)	4292270820 (0xFFD6DAE4)
YUV	217.9440, 4.9576, -3.4589
Hunter-Lab	83.6698, -3.9672, -0.4998

Details

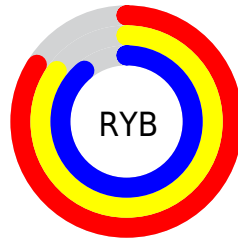
The CIELCh color $87, 5.400, 275.552$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 5.372, 93.947$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 5.694, 275.781$ is the 20% darker color. If you saturate the color by 10%, you get $81, 14.325, 276.916$, and if you desaturate by 10%, it is $93, 3.340, 94.212$.

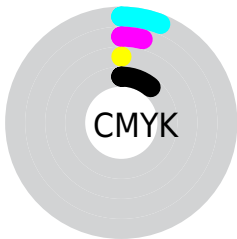
Distribution



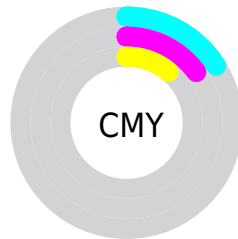
- Red (84%)
- Green (85%)
- Blue (89%)



- Red (84%)
- Yellow (85%)
- Blue (89%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (16%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.400, 275.552 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 87, 5.400, 275.552 by changing the saturation by 10% instead.



87, 5.400, 275.552

87, 5.400, 275.552

81, 14.325,
276.916

93, 3.340, 94.212

75, 23.448,
278.555

98, 11.557,
101.180

70, 32.783,
280.476

99, 13.686,
109.143

64, 42.356,
282.720

58, 52.198,
285.315

53, 62.344,
288.264

47, 72.790,
291.513

43, 83.428,
294.930

■ 38, 93.926,
298.295

Harmonies

Complementary

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



87, 5.400, 275.552



89, 5.372, 93.947

Rectangle

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



87, 5.400, 275.552



87, 5.400, 325.552



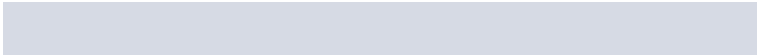
87, 5.400, 95.552



87, 5.400, 145.552

Sweetspot

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



87, 5.398, 275.535



99, 1.924, 275.101



89, 5.446, 175.494



53, 1.094, 275.095



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 5.398, 275.535



96, 6.744, 275.648



86, 7.433, 298.421



46, 4.021, 275.714



28, 80.181, 298.947



5, 26.864, 289.759

Inverse Universe

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



87, 5.510, 357.420



95, 6.891, 357.521



90, 7.322, 117.581



46, 4.111, 357.578



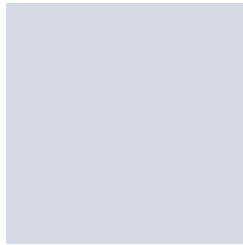
37, 67.503, 22.212



7, 26.648, 9.270

Previews

White Background



This preview shows how the CIELCh color 87, 5.400, 275.552 looks on a white background.

Color Contrast Check

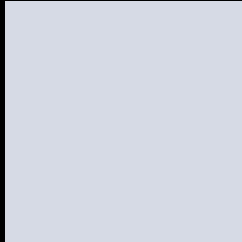
Large Text (above 18pt) WCAG AA × Fail

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 87, 5.400, 275.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

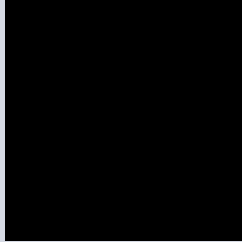
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

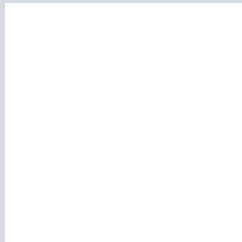
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.400, 275.552

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.400, 275.552.

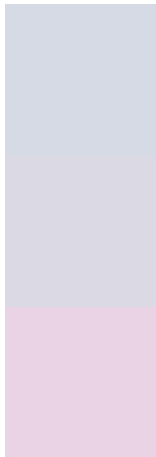


This preview shows how white text looks on a background with the CIELCh color 87, 5.400, 275.552.

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

87, 5.400, 275.552

Protanopia

87, 5.299, 298.295

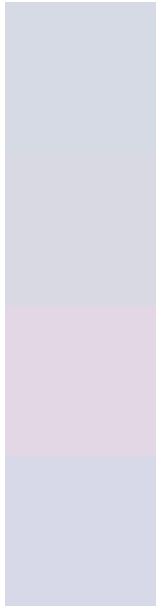
Deuteranopia

87, 12.557, 331.739



Tritanopia
87, 8.920, 286.459

Trichromacy



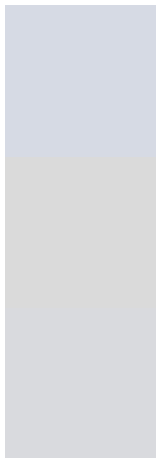
Original Color
87, 5.400, 275.552

Protanomaly
87, 5.242, 290.627

Deuteranomaly
87, 9.163, 321.046

Tritanomaly
87, 7.878, 285.762

Monochromacy



Original Color
87, 5.400, 275.552

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.126, 280.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 5.400, 275.552 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, 218, 228)` looks like.

```
.text, #text, p{  
    color:rgb(214, 218, 228)  
}
```

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, 218, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 218, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.400, 275.552 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, 218, 228) }
```

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

```
.border{ border-color:rgb(214, 218, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 218, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 218, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 218, 228);  
box-shadow:4px 4px 4px 4px rgb(214, 218,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.400, 275.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 218, 228) }
```

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

```
.background{ background-color: rgb(214,  
218, 228) }
```

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