

Converting Colors

CIELCh(80, 8.163, 278.424)

Have a look what the booklet for
CIELCh(80, 8.163, 278.424) contains.

CIELCh(80, 8.155, 278.419)	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(80, 8.155, 278.419)

Conversions

Conversions Part 1

Format	Color
Hex	C1C6D5
RGB	193, 198, 213
RGB Percent	76%, 78%, 84%
CMY	0.2422, 0.2226, 0.1638
CMYK	0.09, 0.07, 0.00, 0.16
HSL	225°, 19%, 80%
HSV	225°, 9%, 84%
XYZ	54.3416, 56.6813, 71.1872
YIQ	198.2150, -7.7950, 3.6050

Conversions

Conversions Part 2

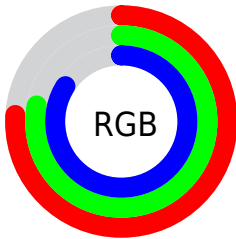
Format	Color
R _Y B	193, 197, 213
Decimal	12699349
CIE Lab	80.00, 1.19, -8.07
CIE LCh	80, 8.155, 278.419
Yxy	56.6813, 0.2982, 0.3111
Android (android.graphics.Color)	4290889429 (0xFFC1C6D5)
YUV	198.2150, 7.2890, -4.5736
Hunter-Lab	75.2870, -2.9123, -3.3605

Details

The CIELCh color $80, 8.155, 278.419$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 8.092, 96.096$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 2.081, 199.592$, and $60, 8.090, 277.858$ is the 20% darker color. If you saturate the color by 10%, you get $74, 17.046, 279.835$, and if you desaturate by 10%, it is $86, 0.522, 96.775$.

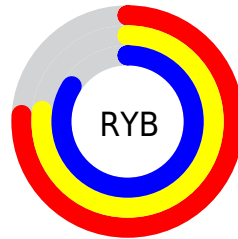
Distribution



Red (76%)

Green (78%)

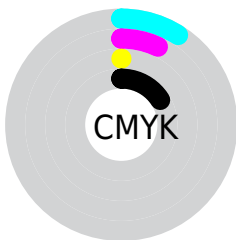
Blue (84%)



Red (76%)

Yellow (77%)

Blue (84%)

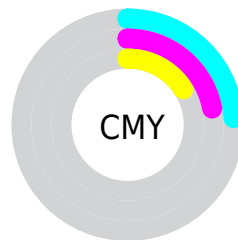


Cyan (9%)

Magenta (7%)

Yellow (0%)

Black (16%)



Cyan (24%)

Magenta (22%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.155, 278.419 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 80, 8.155, 278.419 by changing the saturation by 10% instead.

■ 80, 8.155, 278.419

■ 80, 8.155, 278.419

■ 100, 8.155,
278.419

■ 70, 8.155, 278.419

■ 60, 8.155, 278.419

■ 50, 8.155, 278.419

■ 40, 8.155, 278.419

■ 30, 8.155, 278.419

■ 20, 8.155, 278.419

■ 10, 8.155, 278.419

■ 0, 8.155, 278.419

■ 80, 8.155, 278.419

■ 80, 8.155, 278.419

74, 17.046,
279.835

86, 0.522, 96.775

69, 26.173,
281.512

91, 8.990, 96.064

63, 35.555,
283.473

97, 17.082, 97.849

99, 21.101,
108.580

57, 45.222,
285.754

52, 55.204,
288.374

46, 65.511,
291.312

41, 76.072,
294.485

37, 86.632,
297.720

33, 96.651,

300.724

Harmonies

Complementary

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



80, 8.155, 278.419



84, 8.092, 96.096

Rectangle

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



80, 8.155, 278.419



80, 8.155, 328.419



80, 8.155, 98.419



80, 8.155, 148.419

Sweetspot

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



80, 8.153, 278.409



98, 2.999, 277.655



84, 7.718, 177.516



52, 2.274, 277.737



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 8.153, 278.409



93, 11.076, 278.639



79, 10.852, 299.899



42, 4.951, 278.415



26, 81.240, 300.425



4, 22.883, 287.509

Inverse Universe

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



80, 7.897, 0.338



93, 10.749, 0.526



85, 10.637, 118.679



42, 4.796, 0.342



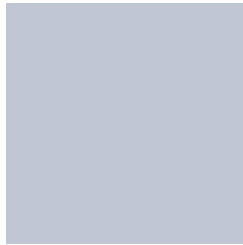
36, 66.549, 25.102



5, 22.145, 8.647

Previews

White Background



This preview shows how the CIELCh color 80, 8.155, 278.419 looks on a white background.

Color Contrast Check

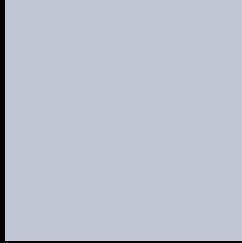
Large Text (above 18pt) WCAG AA × Fail

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 80, 8.155, 278.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

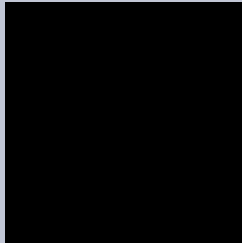
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

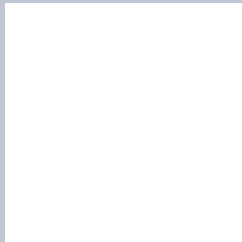
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 8.155, 278.419

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.155, 278.419.

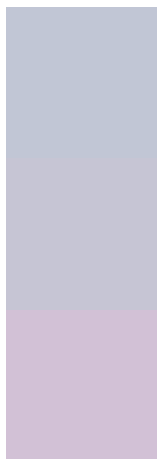


This preview shows how white text looks on a background with the CIELCh color 80, 8.155, 278.419.

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

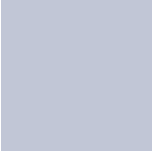
80, 8.155, 278.419

Protanopia

80, 8.014, 293.439

Deuteranopia

80, 12.813, 319.514



Tritanopia
80, 8.675, 279.249

Trichromacy



Original Color
80, 8.155, 278.419

Protanomaly
80, 8.003, 288.362

Deuteranomaly
80, 10.676, 308.540

Tritanomaly
80, 8.675, 279.249

Monochromacy



Original Color
80, 8.155, 278.419

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.272, 277.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 8.155, 278.419 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(193, 198, 213)` looks like.

```
.text, #text, p{  
    color:rgb(193, 198, 213)  
}
```

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(193, 198, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 198, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.155, 278.419 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(193, 198, 213) }
```

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

```
.border{ border-color:rgb(193, 198, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 198, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 198, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 198, 213);  
box-shadow:4px 4px 4px 4px rgb(193, 198,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.155, 278.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 198, 213) }
```

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

```
.background{ background-color: rgb(193,  
198, 213) }
```

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