

Converting Colors

CIELCh(80, 19.740, 290.331)

Have a look what the booklet for
CIELCh(80, 19.740, 290.331)
contains.

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Color

CIELCh(80, 19.728, 289.963)

Conversions

Conversions Part 1

Format	Color
Hex	C2C4E9
RGB	194, 196, 233
RGB Percent	76%, 77%, 91%
CMY	0.2401, 0.2323, 0.0872
CMYK	0.17, 0.16, 0.00, 0.09
HSL	237°, 47%, 84%
HSV	237°, 17%, 91%
XYZ	56.5477, 56.6813, 84.8686
YIQ	199.6200, -13.0690, 11.0830

Conversions

Conversions Part 2

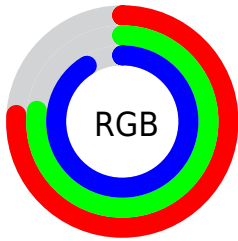
Format	Color
R_{YB}	194, 196, 233
Decimal	12764393
CIE _{Lab}	80.00, 6.74, -18.54
CIE _{LCh}	80, 19.728, 289.963
Yxy	56.6813, 0.2855, 0.2861
Android (android.graphics.Color)	4290954473 (0xFFC2C4E9)
YUV	199.6200, 16.4563, -4.9287
Hunter-Lab	75.2870, 2.3182, -14.1349

Details

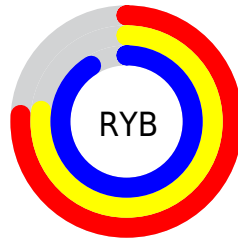
The CIELCh color `80, 19.728, 289.963` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 19.059, 106.345`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 1.232, 255.968`, and `60, 19.791, 290.356` is the 20% darker color. If you saturate the color by 10%, you get `73, 32.132, 291.376`, and if you desaturate by 10%, it is `87, 7.805, 288.764`.

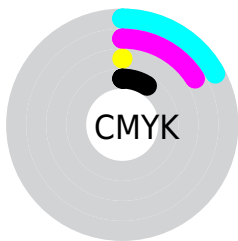
Distribution



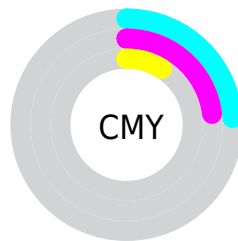
- Red (76%)
- Green (77%)
- Blue (91%)



- Red (76%)
- Yellow (77%)
- Blue (91%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (24%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 19.728, 289.963 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, 19.728, 289.963 by changing the saturation by 10% instead.

■ 80, 19.728,
289.963

■ 80, 19.728,
289.963

■ 100, 19.728,
289.963

■ 70, 19.728,
289.963

■ 60, 19.728,
289.963

■ 50, 19.728,
289.963

■ 40, 19.728,
289.963

■ 30, 19.728,
289.963

■ 20, 19.728,
289.963

■ 10, 19.728,

289.963

0, 19.728, 289.963

80, 19.728,
289.963

80, 19.728,
289.963

73, 32.132,
291.376

87, 7.805, 288.764

65, 45.061,
293.038

95, 3.669, 107.704

99, 11.258,
109.326

58, 58.530,
294.968

51, 72.491,
297.156

44, 86.708,
299.530

■ 38, 100.526,
301.919

■ 33, 112.602,
304.031

■ 30, 121.043,
305.530

■ 30, 122.787,
305.820

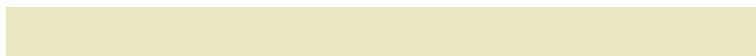
Harmonies

Complementary

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



80, 19.728, 289.963



91, 19.059, 106.345

Rectangle

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



80, 19.728, 289.963



80, 19.728, 339.963



80, 19.728, 109.963



80, 19.728, 159.963

Sweetspot

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



80, 19.726, 289.961



96, 6.206, 288.580



90, 13.432, 192.735



51, 4.239, 288.654



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, 19.726, 289.961



84, 25.526, 290.409



81, 21.663, 307.548



45, 6.641, 289.069



22, 101.130, 305.655



3, 34.456, 296.802

Inverse Universe

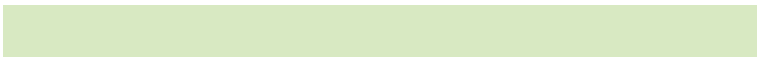
The Inverse Universe completely reimagines the original color for something new.



82, 14.769, 16.470



86, 19.215, 16.817



90, 21.100, 125.903



46, 4.909, 15.780



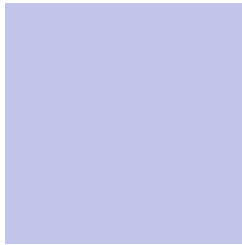
38, 78.660, 37.927



7, 28.322, 20.627

Previews

White Background



This preview shows how the CIELCh color 80, 19.728, 289.963 looks on a white background.

Color Contrast Check

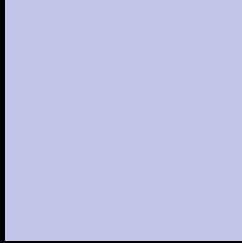
Large Text (above 18pt) WCAG AA × Fail

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 80, 19.728, 289.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

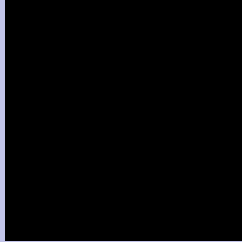
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 19.728, 289.963

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.728, 289.963.



This preview shows how white text looks on a background with the CIELCh color 80, 19.728, 289.963.

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

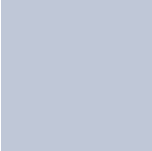
80, 19.728, 289.963

Protanopia

80, 19.246, 285.861

Deuteranopia

80, 20.994, 298.520



Tritanopia
80, 8.916, 272.631

Trichromacy



Original Color
80, 19.728, 289.963

Protanomaly
80, 19.221, 286.852

Deuteranomaly
80, 20.319, 294.835

Tritanomaly
80, 12.387, 281.626

Monochromacy



Original Color
80, 19.728, 289.963

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 6.932, 287.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.728, 289.963 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(194, 196, 233)` looks like.

```
.text, #text, p{  
    color:rgb(194, 196, 233)  
}
```

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(194, 196, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 196, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.728, 289.963 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(194, 196, 233) }
```

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

```
.border{ border-color:rgb(194, 196, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 196, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 196, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 196, 233);  
box-shadow:4px 4px 4px 4px rgb(194, 196,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.728, 289.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 196, 233) }
```

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

```
.background{ background-color: rgb(194,  
196, 233) }
```

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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