

Converting Colors

CIELCh(80, 32.846, 293.337)

Have a look what the booklet for
CIELCh(80, 32.846, 293.337)
contains.

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Color

CIELCh(80, 32.553, 293.019)

Conversions

Conversions Part 1

Format	Color
Hex	C1C1FE
RGB	193, 193, 254
RGB Percent	76%, 76%, 100%
CMY	0.2428, 0.2428, 0.0036
CMYK	0.24, 0.24, 0.00, 0.00
HSL	240°, 97%, 88%
HSV	240°, 24%, 100%
XYZ	59.0003, 56.6813, 101.6635
YIQ	199.9540, -19.5810, 18.9710

Conversions

Conversions Part 2

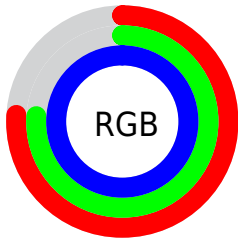
Format	Color
RYB	193, 193, 254
Decimal	12698110
CIELab	80.00, 12.73, -29.96
CIELCh	80, 32.553, 293.019
Yxy	56.6813, 0.2715, 0.2608
Android (android.graphics.Color)	4290888190 (0xFFC1C1FE)
YUV	199.9540, 26.6447, -6.0987
Hunter-Lab	75.2870, 8.1333, -27.3612

Details

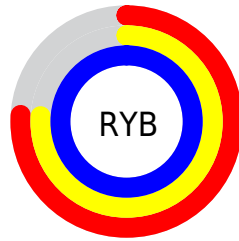
The CIELCh color `80, 32.553, 293.019` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 30.744, 107.833`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 3.094, 296.876`, and `60, 32.215, 292.538` is the 20% darker color. If you saturate the color by 10%, you get `72, 47.114, 294.573`, and if you desaturate by 10%, it is `88, 18.601, 291.698`.

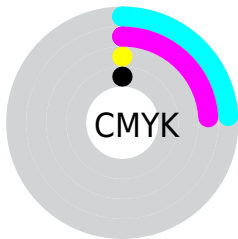
Distribution



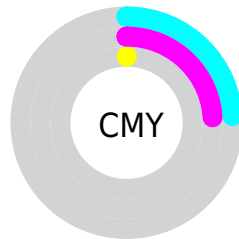
- Red (76%)
- Green (76%)
- Blue (100%)



- Red (76%)
- Yellow (76%)
- Blue (100%)



- Cyan (24%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (24%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 32.553, 293.019 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, 32.553, 293.019 by changing the saturation by 10% instead.


 80, 32.553,
293.019


 80, 32.553,
293.019


 100, 32.553,
293.019


 70, 32.553,
293.019


 60, 32.553,
293.019

 50, 32.553,
293.019

 40, 32.553,
293.019

 30, 32.553,
293.019

 20, 32.553,
293.019

 10, 32.553,

293.019

■ 0, 32.553, 293.019

■ 80, 32.553,
293.019

■ 80, 32.553,
293.019

■ 72, 47.114,
294.573

■ 88, 18.601,
291.698

■ 64, 62.305,
296.383

■ 96, 5.224, 290.591

■ 56, 78.047,
298.436

100, 0.455,
109.974

■ 48, 94.023,
300.656

■ 42, 109.374,
302.857

■ 36, 122.382,
304.725

■ 33, 130.757,
305.910

■ 32, 133.450,
306.287

Harmonies

Complementary

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



80, 32.553, 293.019



98, 30.744, 107.833

Rectangle

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



80, 32.553, 293.019



80, 32.553, 343.019



80, 32.553, 113.019



80, 32.553, 163.019

Sweetspot

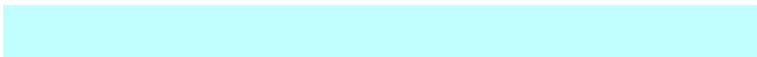
The Sweet Spot groups the original color and five complimentary colors.



80, 32.551, 293.018



94, 9.195, 290.900



96, 19.922, 198.189



50, 5.981, 290.964



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, 32.551, 293.018



76, 39.858, 293.764



82, 34.066, 310.222



49, 7.504, 291.174



23, 107.781, 306.287



3, 44.127, 301.758

Inverse Universe

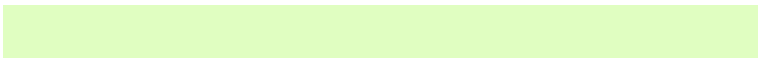
The Inverse Universe completely reimagines the original color for something new.



85, 38.284, 325.757



83, 46.318, 326.027



96, 32.947, 127.954



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.822, 328.233

Previews

White Background



This preview shows how the CIELCh color 80, 32.553, 293.019 looks on a white background.

Color Contrast Check

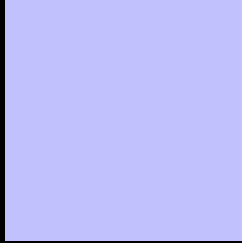
Large Text (above 18pt) WCAG AA × Fail

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, 32.553, 293.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

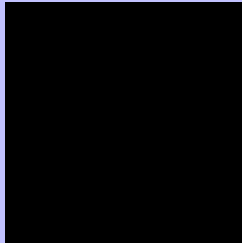
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 32.553, 293.019

Background



This preview shows how black text looks on a background with the CIELCh color 80, 32.553, 293.019.



This preview shows how white text looks on a background with the CIELCh color 80, 32.553, 293.019.

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

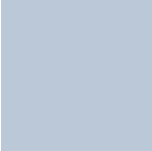
80, 32.553, 293.019

Protanopia

80, 31.585, 285.477

Deuteranopia

80, 31.472, 288.869



Tritanopia
80, 9.708, 260.891

Trichromacy



Original Color
80, 32.553, 293.019

Protanomaly
80, 32.017, 288.432

Deuteranomaly
80, 31.997, 290.690

Tritanomaly
80, 17.737, 282.985

Monochromacy



Original Color
80, 32.553, 293.019

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 12.261, 291.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 32.553, 293.019 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, 193, 254)` looks like.

```
.text, #text, p{  
    color:rgb(193, 193, 254)  
}
```

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, 193, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 193, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 32.553, 293.019 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, 193, 254) }
```

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

```
.border{ border-color:rgb(193, 193, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 193, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 193, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 193, 254);  
box-shadow:4px 4px 4px 4px rgb(193, 193,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 32.553, 293.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 193, 254) }
```

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

```
.background{ background-color: rgb(193,  
193, 254) }
```

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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