

Converting Colors

CIELCh(81, 21.491, 289.489)

Have a look what the booklet for
CIELCh(81, 21.491, 289.489)
contains.

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Color

CIELCh(81, 21.813, 290.332)

Conversions

Conversions Part 1

Format	Color
Hex	C4C6EF
RGB	196, 198, 239
RGB Percent	77%, 78%, 94%
CMY	0.2307, 0.2228, 0.0620
CMYK	0.18, 0.17, 0.00, 0.06
HSL	237°, 58%, 85%
HSV	237°, 18%, 94%
XYZ	58.6524, 58.4711, 89.9975
YIQ	202.0760, -14.3530, 12.3270

Conversions

Conversions Part 2

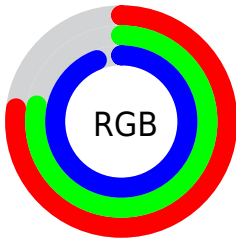
Format	Color
R_{YB}	196, 198, 239
Decimal	12895983
CIE Lab	81.00, 7.58, -20.45
CIE LCh	81, 21.813, 290.332
Yxy	58.4711, 0.2832, 0.2823
Android (android.graphics.Color)	4291086063 (0xFFC4C6EF)
YUV	202.0760, 18.2035, -5.3287
Hunter-Lab	76.4664, 3.0996, -16.2552

Details

The CIELCh color `81, 21.813, 290.332` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 21.007, 106.436`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `61, 21.987, 290.792` is the 20% darker color. If you saturate the color by 10%, you get `73, 34.631, 291.773`, and if you desaturate by 10%, it is `89, 9.499, 289.109`.

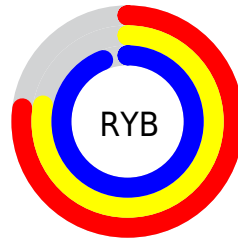
Distribution



Red (77%)

Green (78%)

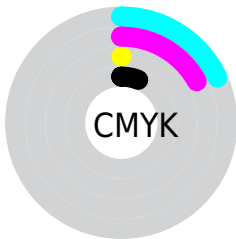
Blue (94%)



Red (77%)

Yellow (78%)

Blue (94%)

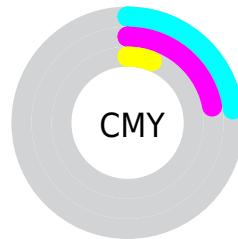


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (6%)



Cyan (23%)

Magenta (22%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 21.813, 290.332 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 81, 21.813, 290.332 by changing the saturation by 10% instead.

■ 81, 21.813,
290.332

■ 81, 21.813,
290.332

■ 100, 21.813,
290.332

■ 71, 21.813,
290.332

■ 61, 21.813,
290.332

■ 51, 21.813,
290.332

■ 41, 21.813,
290.332

■ 31, 21.813,
290.332

■ 21, 21.813,
290.332

■ 11, 21.813,

290.332

■ 1, 21.813, 290.332

■ 0, 21.813, 290.332

■ 81, 21.813,
290.332

■ 81, 21.813,
290.332

■ 73, 34.631,
291.773

■ 89, 9.499, 289.109

■ 66, 47.995,
293.466

■ 96, 2.346, 108.018

■ 100, 8.006,
109.569

■ 58, 61.915,
295.427

■ 51, 76.320,
297.639

■ 44, 90.914,

300.018

■ 38, 104.917,
302.369

■ 34, 116.805,
304.383

■ 31, 124.623,
305.726

■ 31, 125.613,
305.881

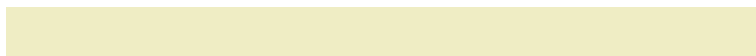
Harmonies

Complementary

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



81, 21.813, 290.332



93, 21.007, 106.436

Rectangle

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



81, 21.813, 290.332



81, 21.813, 340.332



81, 21.813, 110.332



81, 21.813, 160.332

Sweetspot

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



81, 21.811, 290.330



96, 6.238, 288.789



92, 14.628, 194.091



51, 4.261, 288.863



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 21.811, 290.330



83, 28.340, 290.893



82, 23.881, 308.193



46, 6.794, 289.279



22, 102.440, 305.725



3, 36.584, 297.938

Inverse Universe

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



83, 16.278, 16.981



85, 21.290, 17.417



92, 23.235, 126.452



47, 4.996, 16.174



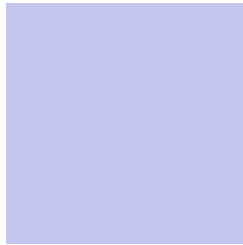
38, 79.702, 38.143



8, 29.593, 21.937

Previews

White Background



This preview shows how the CIELCh color 81, 21.813, 290.332 looks on a white background.

Color Contrast Check

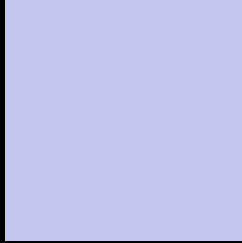
Large Text (above 18pt) WCAG AA × Fail

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 81, 21.813, 290.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

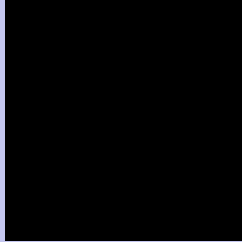
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 21.813, 290.332

Background



This preview shows how black text looks on a background with the CIELCh color 81, 21.813, 290.332.



This preview shows how white text looks on a background with the CIELCh color 81, 21.813, 290.332.

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

81, 21.813, 290.332

Protanopia

81, 21.848, 286.855

Deuteranopia

81, 23.560, 297.120



Tritanopia
81, 9.117, 268.457

Trichromacy



Original Color
81, 21.813, 290.332

Protanomaly
81, 21.827, 287.716

Deuteranomaly
81, 22.932, 294.683

Tritanomaly
81, 13.448, 281.055

Monochromacy



Original Color
81, 21.813, 290.332

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 7.973, 288.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 21.813, 290.332 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(196, 198, 239)` looks like.

```
.text, #text, p{  
    color:rgb(196, 198, 239)  
}
```

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(196, 198, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 198, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 21.813, 290.332 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(196, 198, 239) }
```

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

```
.border{ border-color:rgb(196, 198, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 198, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 198, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 198, 239);  
box-shadow:4px 4px 4px 4px rgb(196, 198,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 21.813, 290.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 198, 239) }
```

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

```
.background{ background-color: rgb(196,  
198, 239) }
```

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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