

Converting Colors

CIELCh(81, 31.746, 292.929)

Have a look what the booklet for
CIELCh(81, 31.746, 292.929)
contains.

CIELCh(81, 31.404, 292.895)	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(81, 31.404, 292.895)

Conversions

Conversions Part 1

Format	Color
Hex	C4C4FF
RGB	196, 196, 255
RGB Percent	77%, 77%, 100%
CMY	0.2311, 0.2311, 0.0000
CMYK	0.23, 0.23, 0.00, 0.00
HSL	240°, 100%, 88%
HSV	240°, 23%, 100%
XYZ	60.5907, 58.4711, 102.7488
YIQ	202.7260, -18.9390, 18.3490

Conversions

Conversions Part 2

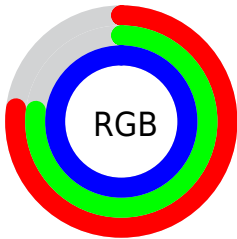
Format	Color
RYB	196, 196, 255
Decimal	12895487
CIELab	81.00, 12.22, -28.93
CIElCh	81, 31.404, 292.895
Yxy	58.4711, 0.2732, 0.2636
Android (android.graphics.Color)	4291085567 (0xFFC4C4FF)
YUV	202.7260, 25.7711, -5.8987
Hunter-Lab	76.4664, 7.6242, -26.1422

Details

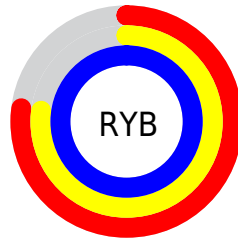
The CIELCh color **81, 31.404, 292.895** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **99, 29.699, 107.920**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 1.028, 290.329**, and **61, 31.576, 293.000** is the 20% darker color. If you saturate the color by 10%, you get **73, 45.921, 294.425**, and if you desaturate by 10%, it is **89, 17.433, 291.591**.

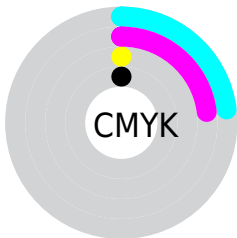
Distribution



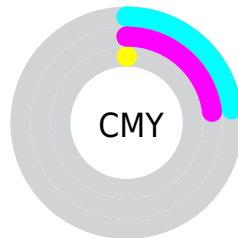
- Red (77%)
- Green (77%)
- Blue (100%)



- Red (77%)
- Yellow (77%)
- Blue (100%)



- Cyan (23%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 31.404, 292.895 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, 31.404, 292.895 by changing the saturation by 10% instead.

81, 31.404,
292.895

81, 31.404,
292.895

100, 31.404,
292.895

71, 31.404,
292.895

61, 31.404,
292.895

51, 31.404,
292.895

41, 31.404,
292.895

31, 31.404,
292.895

21, 31.404,
292.895

11, 31.404,

292.895

■ 1, 31.404, 292.895

■ 0, 31.404, 292.895

■ 81, 31.404,
292.895

■ 81, 31.404,
292.895

■ 73, 45.921,
294.425

■ 89, 17.433,
291.591

■ 65, 61.101,
296.212

■ 97, 4.066, 290.504

■ 57, 76.849,
298.246

100, 0.012,
296.813

■ 49, 92.874,
300.458

■ 42, 108.381,

302.671

■ 37, 121.726,
304.584

■ 33, 130.612,
305.840

■ 32, 133.816,
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.



81, 31.404, 292.895



99, 29.699, 107.920

Rectangle

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



81, 31.404, 292.895



81, 31.404, 342.895



81, 31.404, 112.895



81, 31.404, 162.895

Sweetspot

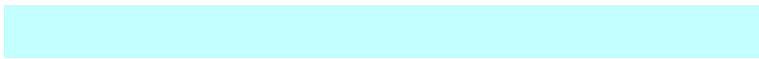
The Sweet Spot groups the original color and five complimentary colors.



81, 31.371, 292.892



94, 9.195, 290.900



96, 19.296, 198.232



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.



81, 31.371, 292.892



77, 38.401, 293.610



83, 32.855, 310.175



49, 7.504, 291.174



23, 107.781, 306.287



3, 44.127, 301.758

Inverse Universe

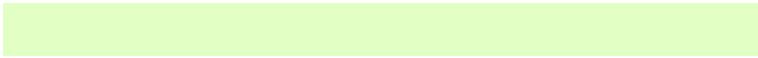
The Inverse Universe completely reimagines the original color for something new.



86, 36.968, 325.709



83, 44.738, 325.974



97, 31.818, 127.998



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 81, 31.404, 292.895 looks on a white background.

Color Contrast Check

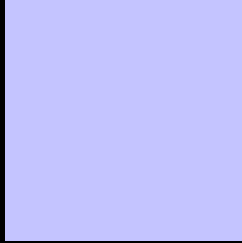
Large Text (above 18pt) WCAG AA × Fail

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, 31.404, 292.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

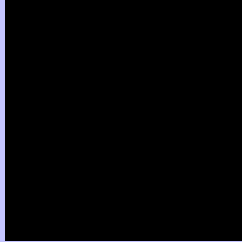
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 31.404, 292.895

Background



This preview shows how black text looks on a background with the CIELCh color 81, 31.404, 292.895.



This preview shows how white text looks on a background with the CIELCh color 81, 31.404, 292.895.

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

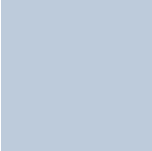
81, 31.404, 292.895

Protanopia

81, 29.898, 285.433

Deuteranopia

81, 30.860, 289.884



Tritanopia
81, 9.684, 260.864

Trichromacy



Original Color
81, 31.404, 292.895

Protanomaly
81, 30.349, 287.982

Deuteranomaly
81, 30.851, 290.472

Tritanomaly
81, 17.165, 282.618

Monochromacy



Original Color
81, 31.404, 292.895

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 11.696, 291.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 31.404, 292.895 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 196, 255)  
}
```

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, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 196, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 31.404, 292.895 is called "border". The border property can be set on classes, ids or directly on the HTML element.

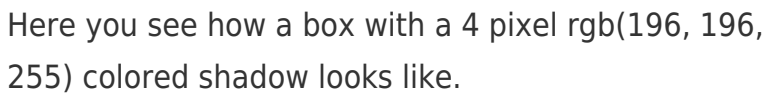
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 196, 255) }
```

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

```
.border{ border-color:rgb(196, 196, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 196, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 196, 255); box-shadow:4px 4px 4px 4px rgb(196, 196, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 31.404, 292.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 196, 255) }
```

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

```
.background{ background-color: rgb(196,  
196, 255) }
```

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