

Converting Colors

CIELCh(81, 16.808, 300.221)

Have a look what the booklet for
CIELCh(81, 16.808, 300.221)
contains.

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Color

CIELCh(81, 16.724, 299.940)

Conversions

Conversions Part 1

Format	Color
Hex	CCC5E4
RGB	204, 197, 228
RGB Percent	80%, 77%, 89%
CMY	0.1994, 0.2268, 0.1053
CMYK	0.11, 0.14, 0.00, 0.11
HSL	254°, 37%, 83%
HSV	254°, 14%, 89%
XYZ	58.9703, 58.4711, 81.6912
YIQ	202.6270, -5.7790, 11.1250

Conversions

Conversions Part 2

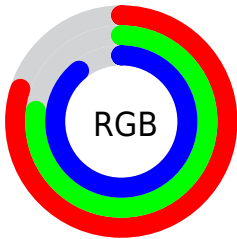
Format	Color
RYB	204, 197, 228
Decimal	13420004
CIELab	81.00, 8.35, -14.49
CIElCh	81, 16.724, 299.940
Yxy	58.4711, 0.2961, 0.2936
Android (android.graphics.Color)	4291610084 (0xFFCCC5E4)
YUV	202.6270, 12.5089, 1.2041
Hunter-Lab	76.4664, 3.8417, -9.8147

Details

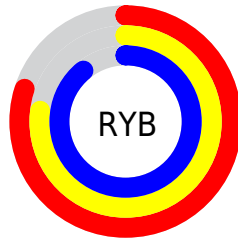
The CIELCh color `81, 16.724, 299.940` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `89, 16.254, 118.099`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.630, 323.973`, and `61, 17.163, 300.483` is the 20% darker color. If you saturate the color by 10%, you get `74, 29.580, 300.768`, and if you desaturate by 10%, it is `88, 4.340, 299.212`.

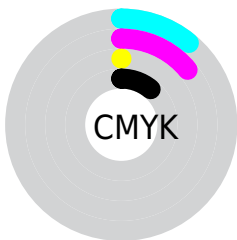
Distribution



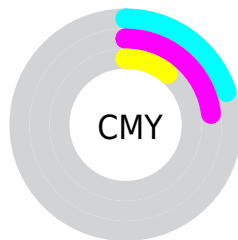
- Red (80%)
- Green (77%)
- Blue (89%)



- Red (80%)
- Yellow (77%)
- Blue (89%)



- Cyan (11%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)





- Cyan (20%)
- Magenta (23%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 16.724, 299.940 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, 16.724, 299.940 by changing the saturation by 10% instead.


 81, 16.724,
299.940


 81, 16.724,
299.940


 100, 16.724,
299.940


 71, 16.724,
299.940


 61, 16.724,
299.940

 51, 16.724,
299.940

 41, 16.724,
299.940

 31, 16.724,
299.940

 21, 16.724,
299.940

 11, 16.724,

299.940

■ 1, 16.724, 299.940

■ 0, 16.724, 299.940

■ 81, 16.724,
299.940

■ 81, 16.724,
299.940

■ 74, 29.580,
300.768

■ 88, 4.340, 299.212

■ 67, 42.912,
301.713

■ 95, 7.584, 118.597

■ 60, 56.676,
302.768

■ 99, 13.583,
109.151

■ 53, 70.732,
303.912

■ 46, 84.753,

305.088

■ 40, 98.072,
306.185

■ 35, 109.530,
307.022

■ 32, 117.607,
307.383

■ 30, 120.936,
307.392

Harmonies

Complementary

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



81, 16.724, 299.940



89, 16.254, 118.099

Rectangle

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



81, 16.724, 299.940



81, 16.724, 349.940



81, 16.724, 119.940



81, 16.724, 169.940

Sweetspot

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



81, 16.722, 299.938



97, 5.299, 299.242



87, 8.993, 222.035



51, 3.770, 299.294



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, 16.722, 299.938



88, 21.651, 300.136



82, 18.292, 316.825



44, 6.970, 299.626



23, 100.485, 307.508



3, 34.192, 302.157

Inverse Universe

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



83, 16.945, 332.299



90, 21.865, 332.469



88, 18.110, 135.664



45, 7.098, 332.019



40, 74.337, 339.730



8, 31.985, 337.583

Previews

White Background



This preview shows how the CIELCh color 81, 16.724, 299.940 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, 16.724, 299.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

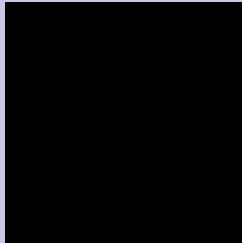
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 16.724, 299.940

Background



This preview shows how black text looks on a background with the CIELCh color 81, 16.724, 299.940.



This preview shows how white text looks on a background with the CIELCh color 81, 16.724, 299.940.

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, 16.724, 299.940

Protanopia

81, 15.977, 286.681

Deuteranopia

81, 17.605, 305.344



Tritanopia
81, 8.598, 298.046

Trichromacy



Original Color
81, 16.724, 299.940

Protanomaly
81, 15.957, 291.580

Deuteranomaly
81, 17.524, 304.232

Tritanomaly
81, 11.871, 299.721

Monochromacy



Original Color
81, 16.724, 299.940

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 5.901, 297.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 16.724, 299.940 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(204, 197, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 197, 228)  
}
```

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(204, 197, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 197, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 16.724, 299.940 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(204, 197, 228) }
```

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

```
.border{ border-color:rgb(204, 197, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 197, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 197, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 197, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 197,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 16.724, 299.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 197, 228) }
```

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

```
.background{ background-color: rgb(204,  
197, 228) }
```

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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