

Converting Colors

CIELCh(80, 15.589, 304.971)

Have a look what the booklet for
CIELCh(80, 15.589, 304.971)
contains.

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Color

CIELCh(80, 15.404, 304.622)

Conversions

Conversions Part 1

Format	Color
Hex	CCC2DE
RGB	204, 194, 222
RGB Percent	80%, 76%, 87%
CMY	0.2001, 0.2393, 0.1295
CMYK	0.08, 0.13, 0.00, 0.13
HSL	261°, 30%, 82%
HSV	261°, 13%, 87%
XYZ	57.3651, 56.6813, 77.0097
YIQ	200.1820, -3.0280, 10.8280

Conversions

Conversions Part 2

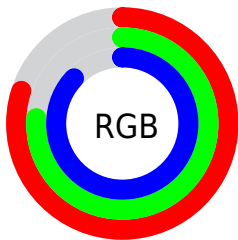
Format	Color
R_{YB}	204, 194, 222
Decimal	13419230
CIE _{Lab}	80.00, 8.75, -12.68
CIE _{LCh}	80, 15.404, 304.622
Yxy	56.6813, 0.3003, 0.2967
Android (android.graphics.Color)	4291609310 (0xFFCCC2DE)
YUV	200.1820, 10.7563, 3.3484
Hunter-Lab	75.2870, 4.2562, -7.9458

Details

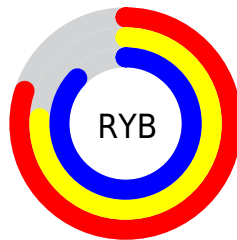
The CIELCh color **80, 15.404, 304.622** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87, 15.058, 123.271**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 324.451**, and **60, 15.778, 305.288** is the 20% darker color. If you saturate the color by 10%, you get **73, 28.075, 305.254**, and if you desaturate by 10%, it is **87, 3.144, 304.040**.

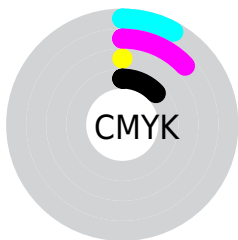
Distribution



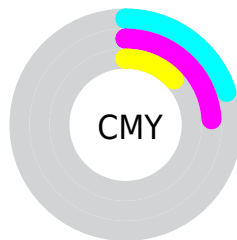
- Red (80%)
- Green (76%)
- Blue (87%)



- Red (80%)
- Yellow (76%)
- Blue (87%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)





- Cyan (20%)
- Magenta (24%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 15.404, 304.622 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, 15.404, 304.622 by changing the saturation by 10% instead.


 80, 15.404,
304.622


 80, 15.404,
304.622


 100, 15.404,
304.622


 70, 15.404,
304.622


 60, 15.404,
304.622

 50, 15.404,
304.622

 40, 15.404,
304.622

 30, 15.404,
304.622

 20, 15.404,
304.622

 10, 15.404,

304.622

■ 0, 15.404, 304.622

■ 80, 15.404,
304.622

■ 80, 15.404,
304.622

■ 73, 28.075,
305.254

■ 87, 3.144, 304.040

■ 67, 41.137,
305.955

■ 93, 8.698, 123.579

■ 60, 54.508,
306.711

■ 99, 17.004,
119.038

■ 54, 68.012,
307.497

■ 99, 16.701,
108.915

■ 48, 81.305,
308.258

■ 42, 93.771,
308.905

■ 37, 104.452,
309.301

■ 34, 112.173,
309.284

■ 32, 115.907,
309.026

Harmonies

Complementary

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



80, 15.404, 304.622



87, 15.058, 123.271

Rectangle

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



80, 15.404, 304.622



80, 15.404, 354.622



80, 15.404, 124.622



80, 15.404, 174.622

Sweetspot

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



80, 15.402, 304.620



97, 5.394, 304.123



84, 8.064, 239.074



51, 3.837, 304.167



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, 15.402, 304.620



89, 20.584, 304.772



81, 17.199, 320.854



43, 6.959, 304.433



24, 97.254, 309.181



3, 32.572, 305.092

Inverse Universe

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



81, 14.006, 337.586



90, 18.675, 337.784



86, 17.112, 139.669



44, 6.345, 337.337



39, 67.616, 349.203



7, 28.373, 344.818

Previews

White Background



This preview shows how the CIELCh color 80, 15.404, 304.622 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 CIE LCh color 80, 15.404, 304.622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

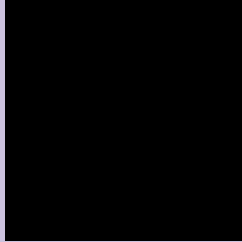
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 15.404, 304.622

Background



This preview shows how black text looks on a background with the CIELCh color 80, 15.404, 304.622.



This preview shows how white text looks on a background with the CIELCh color 80, 15.404, 304.622.

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, 15.404, 304.622

Protanopia

80, 14.410, 287.348

Deuteranopia

80, 16.310, 309.063



Tritanopia
80, 8.315, 305.845

Trichromacy



Original Color
80, 15.404, 304.622

Protanomaly
80, 14.431, 294.213

Deuteranomaly
80, 16.206, 307.867

Tritanomaly
80, 11.085, 305.964

Monochromacy



Original Color
80, 15.404, 304.622

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 5.454, 302.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 15.404, 304.622 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, 194, 222)` looks like.

```
.text, #text, p{  
    color:rgb(204, 194, 222)  
}
```

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, 194, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 194, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 15.404, 304.622 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, 194, 222) }
```

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

```
.border{ border-color:rgb(204, 194, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 194, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 194, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 194, 222);  
box-shadow:4px 4px 4px 4px rgb(204, 194,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 15.404, 304.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 194, 222) }
```

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

```
.background{ background-color: rgb(204,  
194, 222) }
```

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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