

Converting Colors

CIELCh(42, 79.919, 309.150)

Have a look what the booklet for
CIELCh(42, 79.919, 309.150)
contains.

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Color

CIELCh(42, 80.187, 309.227)

Conversions

Conversions Part 1

Format	Color
Hex	7844CB
RGB	120, 68, 203
RGB Percent	47%, 27%, 80%
CMY	0.5283, 0.7324, 0.2029
CMYK	0.41, 0.66, 0.00, 0.20
HSL	263°, 57%, 53%
HSV	263°, 66%, 80%
XYZ	20.6762, 12.5000, 57.9899
YIQ	98.9380, -12.3430, 53.0090

Conversions

Conversions Part 2

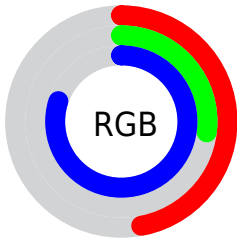
Format	Color
R_{YB}	120, 68, 203
Decimal	7881931
CIE _{Lab}	42.00, 50.71, -62.12
CIE _{LCh}	42, 80.187, 309.227
Yxy	12.5000, 0.2268, 0.1371
Android (android.graphics.Color)	4286072011 (0xFF7844CB)
YUV	98.9380, 51.3026, 18.4714
Hunter-Lab	35.3553, 42.5171, -72.4989

Details

The CIELCh color `42, 80.187, 309.227` is a dark color, and the websafe version is hex `6633CC`. The color can be described as dark muted purple. A complement of this color would be `76, 70.090, 122.018`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 77.432, 309.827`, and `22, 80.343, 309.284` is the 20% darker color. If you saturate the color by 10%, you get `37, 91.175, 309.719`, and if you desaturate by 10%, it is `47, 68.114, 308.573`.

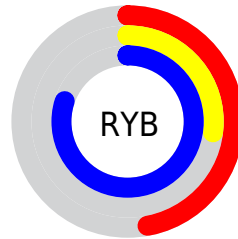
Distribution



Red (47%)

Green (27%)

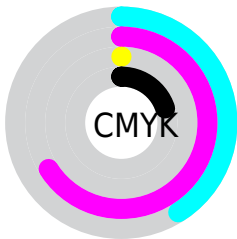
Blue (80%)



Red (47%)

Yellow (27%)

Blue (80%)

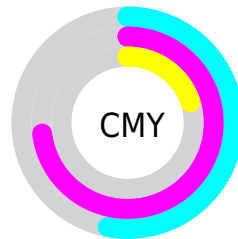


Cyan (41%)

Magenta (66%)

Yellow (0%)

Black (20%)



Cyan (53%)

Magenta (73%)

Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 80.187, 309.227 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 42, 80.187, 309.227 by changing the saturation by 10% instead.

 42, 80.187,
309.227


 42, 80.187,
309.227


 100, 80.187,
309.227


 32, 80.187,
309.227

 62, 80.187,
309.227


 22, 80.187,
309.227

 72, 80.187,
309.227

 12, 80.187,
309.227

 82, 80.187,
309.227

 2, 80.187, 309.227

 92, 80.187,
309.227

 0, 80.187, 309.227

 42, 80.187,

 42, 80.187,

309.227

37, 91.175,
309.719

33, 100.130,
309.910

30, 106.095,
309.661

29, 107.824,
309.543

309.227

47, 68.114,
308.573

53, 55.627,
307.857

59, 43.129,
307.144

65, 30.842,
306.467

72, 18.873,
305.846

78, 7.270, 305.282

84, 3.955, 124.819

90, 14.805,
124.370

■ 96, 25.295,
123.990

Harmonies

Complementary

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



42, 80.187, 309.227



76, 70.090, 122.018

Rectangle

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



42, 80.187, 309.227



42, 80.187, 359.227



42, 80.187, 129.227



42, 80.187, 179.227

Sweetspot

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



42, 80.187, 309.228



85, 27.786, 306.077



60, 35.194, 255.264



43, 19.042, 306.255



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 80.187, 309.228



45, 113.459, 309.855



51, 80.641, 323.947



40, 6.462, 305.444



23, 92.490, 309.696



2, 24.102, 302.680

Inverse Universe

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



51, 63.365, 344.600



59, 84.259, 347.164



73, 80.502, 136.574



40, 5.749, 338.615



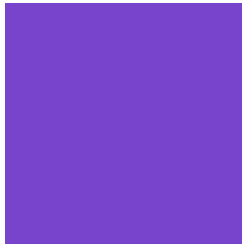
36, 63.824, 351.387



4, 21.327, 346.190

Previews

White Background



This preview shows how the CIELCh color 42, 80.187, 309.227 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 80.187, 309.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

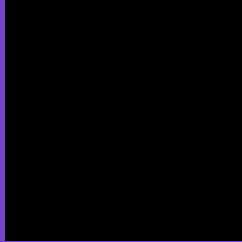
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 80.187, 309.227

Background



This preview shows how black text looks on a background with the CIELCh color 42, 80.187, 309.227.

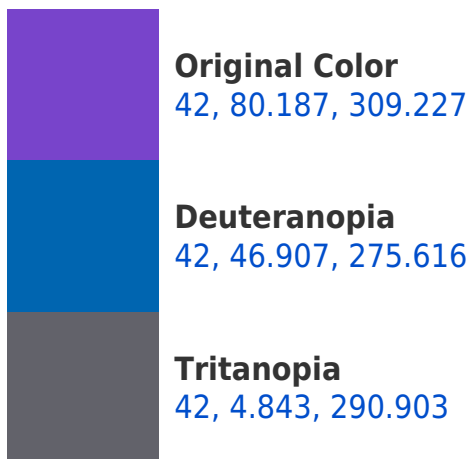


This preview shows how white text looks on a background with the CIELCh color 42, 80.187, 309.227.

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



Trichromacy



Original Color
42, 80.187, 309.227

Deuteranomaly
40, 58.964, 289.325

Tritanomaly
41, 33.577, 306.114

Monochromacy



Original Color
42, 80.187, 309.227

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 30.629, 307.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 80.187, 309.227 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(120, 68, 203)` looks like.

```
.text, #text, p{  
    color:rgb(120, 68, 203)  
}
```

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(120, 68, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 68, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 80.187, 309.227 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(120, 68, 203) }
```

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

```
.border{ border-color:rgb(120, 68, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 68, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 68, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 68, 203);  
box-shadow:4px 4px 4px 4px rgb(120, 68,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 80.187, 309.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 68, 203) }
```

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

```
.background{ background-color: rgb(120, 68,  
203) }
```

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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