

Converting Colors

CIELCh(75, 24.846, 311.945)

Have a look what the booklet for
CIELCh(75, 24.846, 311.945)
contains.

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Color

CIELCh(75, 24.822, 311.941)

Conversions

Conversions Part 1

Format	Color
Hex	C8B0DB
RGB	200, 176, 219
RGB Percent	78%, 69%, 86%
CMY	0.2168, 0.3109, 0.1423
CMYK	0.09, 0.20, 0.00, 0.14
HSL	273°, 37%, 77%
HSV	273°, 20%, 86%
XYZ	51.9591, 48.2781, 73.3942
YIQ	188.0780, 0.5010, 18.4610

Conversions

Conversions Part 2

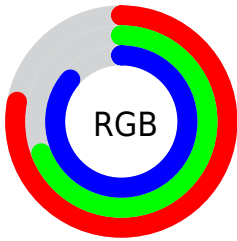
Format	Color
RYB	200, 176, 219
Decimal	13152475
CIELab	75.00, 16.59, -18.46
CIELCh	75, 24.822, 311.941
Yxy	48.2781, 0.2992, 0.2780
Android (android.graphics.Color)	4291342555 (0xFFC8B0DB)
YUV	188.0780, 15.2445, 10.4556
Hunter-Lab	69.4824, 11.8883, -13.9902

Details

The CIELCh color $75, 24.822, 311.941$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $85, 24.248, 130.205$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 14.364, 324.919$, and $55, 25.133, 312.269$ is the 20% darker color. If you saturate the color by 10%, you get $69, 37.864, 312.427$, and if you desaturate by 10%, it is $81, 12.038, 311.474$.

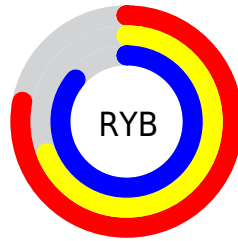
Distribution



Red (78%)

Green (69%)

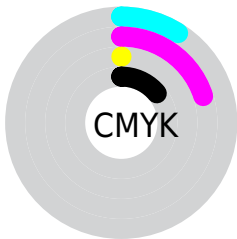
Blue (86%)



Red (78%)

Yellow (69%)

Blue (86%)

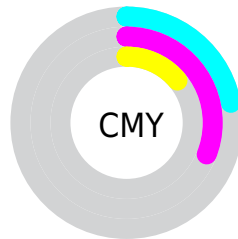


Cyan (9%)

Magenta (20%)

Yellow (0%)

Black (14%)



Cyan (22%)


Magenta (31%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 24.822, 311.941 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 75, 24.822, 311.941 by changing the saturation by 10% instead.


 75, 24.822,
311.941


 75, 24.822,
311.941


 100, 24.822,
311.941


 65, 24.822,
311.941


 95, 24.822,
311.941

 55, 24.822,
311.941

 45, 24.822,
311.941

 35, 24.822,
311.941

 25, 24.822,
311.941

 15, 24.822,
311.941

 5, 24.822, 311.941

0, 24.822, 311.941

75, 24.822,
311.941

75, 24.822,
311.941

69, 37.864,
312.427

81, 12.038,
311.474

63, 51.043,
312.919

88, 0.415, 131.412

57, 64.128,
313.389

94, 12.508,
130.682

51, 76.748,
313.791

98, 19.410,
126.934

47, 88.341,
314.058

99, 18.558,
116.693

42, 98.148,
314.103

99, 18.351,
108.789

■ 39,105.345,
313.823

■ 37,109.721,
313.197

■ 36,109.859,
313.176

Harmonies

Complementary

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



75, 24.822, 311.941



85, 24.248, 130.205

Rectangle

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



75, 24.822, 311.941



75, 24.822, 1.941



75, 24.822, 131.941



75, 24.822, 181.941

Sweetspot

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



75, 24.820, 311.940



96, 8.436, 311.308



78, 14.090, 263.517



51, 5.600, 311.339



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 24.820, 311.940



83, 34.511, 312.160



77, 26.824, 326.904



43, 7.092, 311.464



28, 92.251, 313.352



4, 31.694, 311.742

Inverse Universe

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



76, 18.997, 348.719



84, 26.394, 349.215



83, 26.796, 144.535



43, 5.428, 347.687



37, 63.231, 7.347



6, 24.565, 358.506

Previews

White Background



This preview shows how the CIELCh color 75, 24.822, 311.941 looks on a white background.

Color Contrast Check

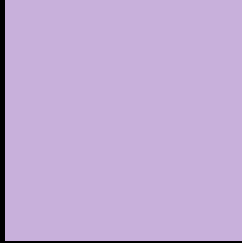
Large Text (above 18pt) WCAG AA × Fail

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 75, 24.822, 311.941 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 75, 24.822, 311.941

Background



This preview shows how black text looks on a background with the CIELCh color 75, 24.822, 311.941.



This preview shows how white text looks on a background with the CIELCh color 75, 24.822, 311.941.

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


75, 24.822, 311.941

Protanopia

75, 22.210, 286.196

Deuteranopia

75, 20.747, 298.746



Tritanopia
75, 9.629, 328.489

Trichromacy



Original Color
75, 24.822, 311.941

Protanomaly
75, 22.823, 296.550

Deuteranomaly
75, 22.270, 304.725

Tritanomaly
75, 15.231, 318.117

Monochromacy



Original Color
75, 24.822, 311.941

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 8.633, 310.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 24.822, 311.941 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(200, 176, 219)` looks like.

```
.text, #text, p{  
    color:rgb(200, 176, 219)  
}
```

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(200, 176, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 176, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 24.822, 311.941 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(200, 176, 219) }
```

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

```
.border{ border-color:rgb(200, 176, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 176, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 176, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 176, 219);  
box-shadow:4px 4px 4px 4px rgb(200, 176,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 24.822, 311.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 176, 219) }
```

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

```
.background{ background-color: rgb(200,  
176, 219) }
```

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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