

Converting Colors

CIELCh(75, 24.175, 296.194)

Have a look what the booklet for
CIELCh(75, 24.175, 296.194)
contains.

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Color

CIELCh(75, 23.898, 296.434)

Conversions

Conversions Part 1

Format	Color
Hex	B9B4E0
RGB	185, 180, 224
RGB Percent	73%, 71%, 88%
CMY	0.2749, 0.2945, 0.1220
CMYK	0.17, 0.20, 0.00, 0.12
HSL	247°, 41%, 79%
HSV	247°, 20%, 88%
XYZ	49.7228, 48.2781, 77.1427
YIQ	186.5110, -11.1440, 14.7440

Conversions

Conversions Part 2

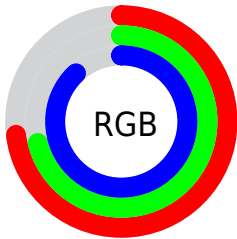
Format	Color
R _Y B	185, 180, 224
Decimal	12170464
CIE Lab	75.00, 10.64, -21.40
CIE LCh	75, 23.898, 296.434
Yxy	48.2781, 0.2839, 0.2756
Android (android.graphics.Color)	4290360544 (0xFFB9B4E0)
YUV	186.5110, 18.4821, -1.3251
Hunter-Lab	69.4824, 6.1433, -17.1888

Details

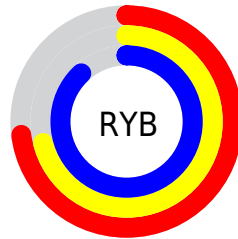
The CIELCh color $75, 23.898, 296.434$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $88, 22.854, 113.072$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 9.967, 300.877$, and $55, 24.255, 296.318$ is the 20% darker color. If you saturate the color by 10%, you get $68, 36.799, 297.572$, and if you desaturate by 10%, it is $82, 11.505, 295.453$.

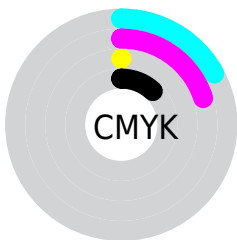
Distribution



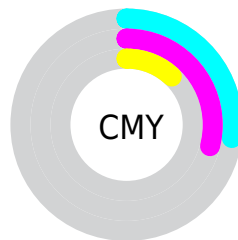
- Red (73%)
- Green (71%)
- Blue (88%)



- Red (73%)
- Yellow (71%)
- Blue (88%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)





- Cyan (27%)
- Magenta (29%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 23.898, 296.434 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, 23.898, 296.434 by changing the saturation by 10% instead.


 75, 23.898,
296.434


 75, 23.898,
296.434


 100, 23.898,
296.434


 65, 23.898,
296.434


 95, 23.898,
296.434

 55, 23.898,
296.434

 45, 23.898,
296.434

 35, 23.898,
296.434

 25, 23.898,
296.434

 15, 23.898,
296.434

 5, 23.898, 296.434

0, 23.898, 296.434

75, 23.898,
296.434

75, 23.898,
296.434

68, 36.799,
297.572

82, 11.505,
295.453

61, 50.218,
298.883

89, 0.399, 114.554

54, 64.101,
300.361

97, 11.850,
113.892

47, 78.257,
301.968

99, 15.736,
108.988

40, 92.194,
303.605

35, 104.893,
305.082

■ 31, 114.709,
306.130

■ 28, 120.448,
306.610

■ 28, 120.620,
306.628

Harmonies

Complementary

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



75, 23.898, 296.434



88, 22.854, 113.072

Rectangle

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



75, 23.898, 296.434



75, 23.898, 346.434



75, 23.898, 116.434



75, 23.898, 166.434

Sweetspot

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



75, 23.896, 296.433



95, 7.898, 295.136



85, 13.572, 208.399



50, 5.245, 295.193



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, 23.896, 296.433



81, 32.735, 296.927



77, 25.510, 313.330



43, 6.780, 295.435



21, 100.638, 306.697



2, 31.820, 298.579

Inverse Universe

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



78, 26.165, 328.833



85, 35.530, 329.107



86, 24.985, 131.620



44, 7.542, 328.214



41, 80.060, 333.320



7, 33.278, 332.390

Previews

White Background



This preview shows how the CIELCh color 75, 23.898, 296.434 looks on a white background.

Color Contrast Check

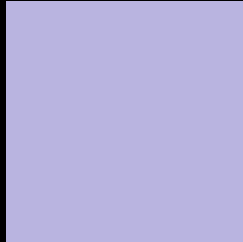
Large Text (above 18pt) WCAG AA × Fail

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 75, 23.898, 296.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

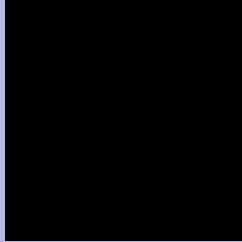
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 23.898, 296.434

Background



This preview shows how black text looks on a background with the CIELCh color 75, 23.898, 296.434.



This preview shows how white text looks on a background with the CIELCh color 75, 23.898, 296.434.

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, 23.898, 296.434

Protanopia

75, 23.307, 285.797

Deuteranopia

75, 23.274, 293.992



Tritanopia
75, 8.203, 280.928

Trichromacy



Original Color
75, 23.898, 296.434

Protanomaly
75, 23.236, 289.860

Deuteranomaly
75, 23.290, 294.821

Tritanomaly
75, 13.508, 289.961

Monochromacy



Original Color
75, 23.898, 296.434

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 8.682, 295.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 23.898, 296.434 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(185, 180, 224)` looks like.

```
.text, #text, p{  
    color:rgb(185, 180, 224)  
}
```

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(185, 180, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 180, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 23.898, 296.434 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(185, 180, 224) }
```

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

```
.border{ border-color:rgb(185, 180, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 180, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 180, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 180, 224);  
box-shadow:4px 4px 4px 4px rgb(185, 180,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 23.898, 296.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 180, 224) }
```

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

```
.background{ background-color: rgb(185,  
180, 224) }
```

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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