

Converting Colors

CIELCh(75, 35.418, 300.371)

Have a look what the booklet for
CIELCh(75, 35.418, 300.371)
contains.

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Color

CIELCh(75, 35.522, 300.204)

Conversions

Conversions Part 1

Format	Color
Hex	BDB0F1
RGB	189, 176, 241
RGB Percent	74%, 69%, 95%
CMY	0.2584, 0.3094, 0.0545
CMYK	0.22, 0.27, 0.00, 0.05
HSL	252°, 70%, 82%
HSV	252°, 27%, 95%
XYZ	52.4488, 48.2781, 89.8548
YIQ	187.2970, -13.1170, 22.9710

Conversions

Conversions Part 2

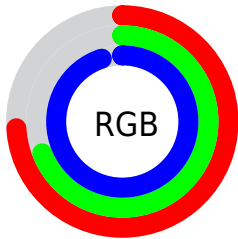
Format	Color
R_{YB}	189, 176, 241
Decimal	12431601
CIE _{Lab}	75.00, 17.87, -30.70
CIE _{LCh}	75, 35.522, 300.204
Yxy	48.2781, 0.2752, 0.2533
Android (android.graphics.Color)	4290621681 (0xFFBDB0F1)
YUV	187.2970, 26.4756, 1.4935
Hunter-Lab	69.4824, 13.1463, -28.0362

Details

The CIELCh color `75, 35.522, 300.204` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 33.454, 116.134`, and the grayscale version is `76, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 12.877, 313.139`, and `55, 36.002, 300.605` is the 20% darker color. If you saturate the color by 10%, you get `68, 49.628, 301.251`, and if you desaturate by 10%, it is `83, 21.919, 299.283`.

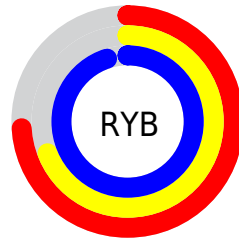
Distribution



Red (74%)

Green (69%)

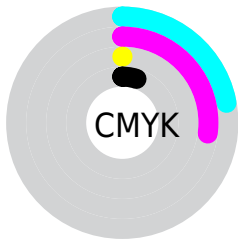
Blue (95%)



Red (74%)

Yellow (69%)

Blue (95%)

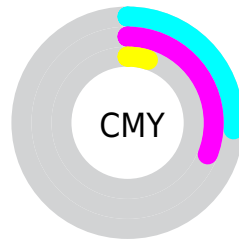


Cyan (22%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (26%)


Magenta (31%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 35.522, 300.204 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, 35.522, 300.204 by changing the saturation by 10% instead.


 75, 35.522,
300.204


 75, 35.522,
300.204


 100, 35.522,
300.204


 65, 35.522,
300.204


 95, 35.522,
300.204

 55, 35.522,
300.204

 45, 35.522,
300.204

 35, 35.522,
300.204

 25, 35.522,
300.204

 15, 35.522,
300.204

 5, 35.522, 300.204

■ 0, 35.522, 300.204

■ 75, 35.522,
300.204

■ 75, 35.522,
300.204

■ 68, 49.628,
301.251

■ 83, 21.919,
299.283

■ 60, 64.178,
302.418

■ 90, 8.829, 298.483

■ 53, 78.980,
303.674

■ 97, 3.767, 117.799

■ 46, 93.590,
304.944

■ 100, 7.033,
109.641

■ 40, 107.124,
306.085

■ 36, 118.133,
306.883

■ 32, 125.010,
307.122

■ 32, 126.533,
307.149

Harmonies

Complementary

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



75, 35.522, 300.204



93, 33.454, 116.134

Rectangle

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



75, 35.522, 300.204



75, 35.522, 350.204



75, 35.522, 120.204



75, 35.522, 170.204

Sweetspot

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



75, 35.520, 300.204



94, 10.639, 298.563



88, 18.031, 220.670



49, 7.582, 298.678



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, 35.520, 300.204



75, 44.555, 300.725



78, 38.226, 316.893



46, 7.206, 298.674



23, 102.978, 307.261



3, 38.391, 303.389

Inverse Universe

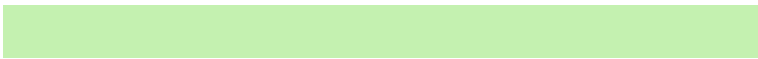
The Inverse Universe completely reimagines the original color for something new.



79, 35.917, 332.262



80, 44.538, 332.615



91, 37.458, 134.454



47, 7.492, 331.093



42, 77.327, 338.152



9, 34.468, 336.509

Previews

White Background



This preview shows how the CIELCh color 75, 35.522, 300.204 looks on a white background.

Color Contrast Check

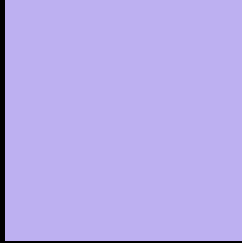
Large Text (above 18pt) WCAG AA × Fail

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, 35.522, 300.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

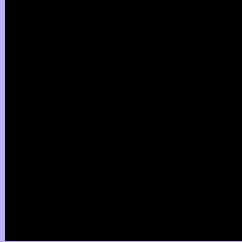
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 35.522, 300.204

Background



This preview shows how black text looks on a background with the CIELCh color 75, 35.522, 300.204.



This preview shows how white text looks on a background with the CIELCh color 75, 35.522, 300.204.

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, 35.522, 300.204

Protanopia

75, 34.721, 285.644

Deuteranopia

75, 31.914, 288.536



Tritanopia
75, 8.155, 283.396

Trichromacy



Original Color
75, 35.522, 300.204

Protanomaly
75, 34.585, 290.733

Deuteranomaly
75, 32.997, 293.211

Tritanomaly
75, 17.904, 295.168

Monochromacy



Original Color
75, 35.522, 300.204

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 13.112, 299.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 35.522, 300.204 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(189, 176, 241)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 241)  
}
```

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(189, 176, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 35.522, 300.204 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(189, 176, 241) }
```

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

```
.border{ border-color:rgb(189, 176, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 241);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 35.522, 300.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 241) }
```

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

```
.background{ background-color: rgb(189,  
176, 241) }
```

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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