

Converting Colors

CIELCh(75, 40.650, 306.200)

Have a look what the booklet for
CIELCh(75, 40.650, 306.200)
contains.

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Color

CIELCh(75, 40.612, 306.192)

Conversions

Conversions Part 1

Format	Color
Hex	C7ACF5
RGB	199, 172, 245
RGB Percent	78%, 67%, 96%
CMY	0.2193, 0.3252, 0.0389
CMYK	0.19, 0.30, 0.00, 0.04
HSL	262°, 79%, 82%
HSV	262°, 30%, 96%
XYZ	54.8283, 48.2781, 92.8712
YIQ	188.3950, -7.3410, 28.4270

Conversions

Conversions Part 2

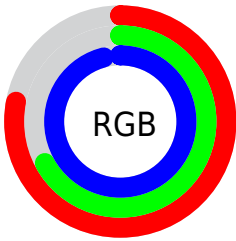
Format	Color
R_{YB}	199, 172, 245
Decimal	13085941
CIE _{Lab}	75.00, 23.98, -32.78
CIE _{LCh}	75, 40.612, 306.192
Yxy	48.2781, 0.2798, 0.2463
Android (android.graphics.Color)	4291276021 (0xFFC7ACF5)
YUV	188.3950, 27.9063, 9.3006
Hunter-Lab	69.4824, 19.2594, -30.6101

Details

The CIELCh color $75, 40.612, 306.192$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $93, 38.460, 122.822$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 16.877, 325.009$, and $55, 40.033, 306.055$ is the 20% darker color. If you saturate the color by 10%, you get $68, 55.024, 306.918$, and if you desaturate by 10%, it is $82, 26.551, 305.522$.

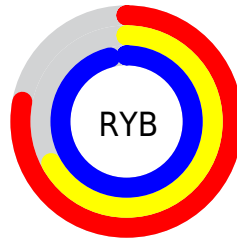
Distribution



Red (78%)

Green (67%)

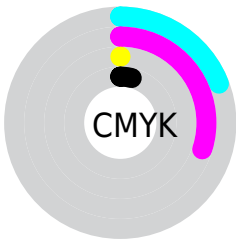
Blue (96%)



Red (78%)

Yellow (67%)

Blue (96%)

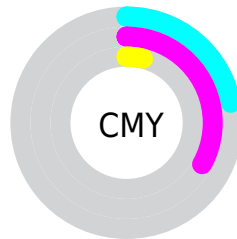


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (4%)



Cyan (22%)


Magenta (33%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.612, 306.192 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, 40.612, 306.192 by changing the saturation by 10% instead.


 75, 40.612,
306.192


 75, 40.612,
306.192


 100, 40.612,
306.192


 65, 40.612,
306.192


 95, 40.612,
306.192

 55, 40.612,
306.192

 45, 40.612,
306.192

 35, 40.612,
306.192

 25, 40.612,
306.192

 15, 40.612,
306.192

 5, 40.612, 306.192

■ 0, 40.612, 306.192

■ 75, 40.612,
306.192

■ 75, 40.612,
306.192

■ 68, 55.024,
306.918

■ 82, 26.551,
305.522

■ 61, 69.628,
307.677

■ 89, 12.919,
304.917

■ 54, 84.095,
308.424

■ 97, 0.263, 124.714

■ 48, 97.833,
309.076

■ 100, 5.023,
109.787

■ 43, 109.893,
309.510

■ 39, 119.031,
309.567

■ 36,124.568,
309.180

■ 36,124.671,
309.172

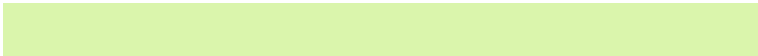
Harmonies

Complementary

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



75, 40.612, 306.192



93, 38.460, 122.822

Rectangle

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



75, 40.612, 306.192



75, 40.612, 356.192



75, 40.612, 126.192



75, 40.612, 176.192

Sweetspot

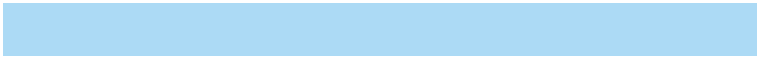
The Sweet Spot groups the original color and five complimentary colors.



75, 40.610, 306.192



93, 12.252, 304.873



85, 20.031, 243.658



49, 8.534, 304.956



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, 40.610, 306.192



73, 51.156, 306.643



78, 44.513, 322.164



47, 7.491, 304.899



26, 101.209, 309.346



4, 41.090, 308.586

Inverse Universe

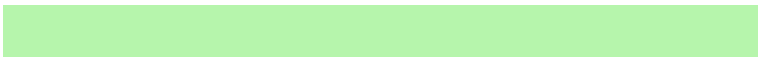
The Inverse Universe completely reimagines the original color for something new.



78, 35.785, 339.631



78, 44.576, 340.221



91, 44.142, 139.038



48, 6.754, 337.920



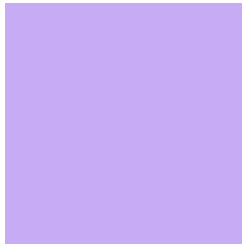
41, 69.979, 350.369



9, 31.976, 346.474

Previews

White Background



This preview shows how the CIELCh color 75, 40.612, 306.192 looks on a white background.

Color Contrast Check

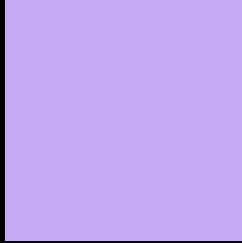
Large Text (above 18pt) WCAG AA × Fail

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, 40.612, 306.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

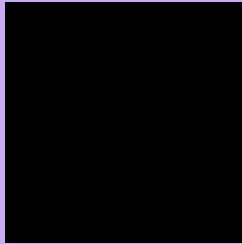
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 40.612, 306.192

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.612, 306.192.



This preview shows how white text looks on a background with the CIELCh color 75, 40.612, 306.192.

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, 40.612, 306.192

Protanopia

75, 38.519, 285.541

Deuteranopia

75, 33.014, 287.175



Tritanopia
75, 8.285, 314.171

Trichromacy



Original Color
75, 40.612, 306.192

Protanomaly
75, 38.931, 293.274

Deuteranomaly
75, 35.740, 294.976

Tritanomaly
75, 20.357, 307.932

Monochromacy



Original Color
75, 40.612, 306.192

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 15.059, 305.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.612, 306.192 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(199, 172, 245)` looks like.

```
.text, #text, p{  
    color:rgb(199, 172, 245)  
}
```

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(199, 172, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 172, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.612, 306.192 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(199, 172, 245) }
```

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

```
.border{ border-color:rgb(199, 172, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 172, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 172, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 172, 245);  
box-shadow:4px 4px 4px 4px rgb(199, 172,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.612, 306.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 172, 245) }
```

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

```
.background{ background-color: rgb(199,  
172, 245) }
```

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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