

Converting Colors

CIELCh(76, 67.383, 300.305)

Have a look what the booklet for
CIELCh(76, 67.383, 300.305)
contains.

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Color

CIELCh(74, 45.988, 301.292)

Conversions

Conversions Part 1

Format	Color
Hex	BCAAFE
RGB	188, 170, 254
RGB Percent	74%, 67%, 100%
CMY	0.2621, 0.3325, 0.0034
CMYK	0.26, 0.33, 0.00, 0.00
HSL	253°, 98%, 83%
HSV	253°, 33%, 100%
XYZ	53.1058, 46.7039, 100.0995
YIQ	184.9580, -16.2360, 29.9400

Conversions

Conversions Part 2

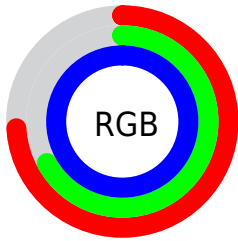
Format	Color
R _Y B	188, 170, 254
Decimal	12364542
CIE Lab	74.00, 23.89, -39.30
CIE LCh	74, 45.988, 301.292
Yxy	46.7039, 0.2656, 0.2336
Android (android.graphics.Color)	4290554622 (0xFFBCAAFE)
YUV	184.9580, 34.0377, 2.6678
Hunter-Lab	68.3403, 19.1131, -39.0052

Details

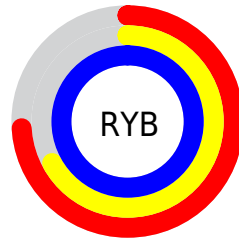
The CIELCh color $74, 45.988, 301.292$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $97, 42.665, 116.305$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 17.087, 315.153$, and $54, 45.901, 301.235$ is the 20% darker color. If you saturate the color by 10%, you get $66, 61.000, 302.381$, and if you desaturate by 10%, it is $82, 31.459, 300.322$.

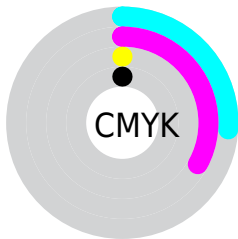
Distribution



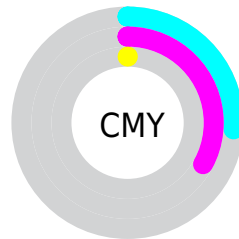
- Red (74%)
- Green (67%)
- Blue (100%)



- Red (74%)
- Yellow (67%)
- Blue (100%)



- Cyan (26%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 45.988, 301.292 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 74, 45.988, 301.292 by changing the saturation by 10% instead.


 74, 45.988,
301.292

 74, 45.988,
301.292


 100, 45.988,
301.292


 64, 45.988,
301.292


 94, 45.988,
301.292

 54, 45.988,
301.292

 44, 45.988,
301.292

 34, 45.988,
301.292

 24, 45.988,
301.292

 14, 45.988,
301.292

 4, 45.988, 301.292

■ 0, 45.988, 301.292

■ 74, 45.988,
301.292

■ 74, 45.988,
301.292

■ 66, 61.000,
302.381

■ 82, 31.459,
300.322

■ 59, 76.358,
303.567

■ 90, 17.461,
299.471

■ 52, 91.710,
304.794

■ 97, 3.988, 298.731

■ 45, 106.328,
305.948

■ 100, 0.424,
109.964

■ 40, 118.926,
306.844

■ 36, 127.795,
307.252

■ 34, 131.489,
307.246

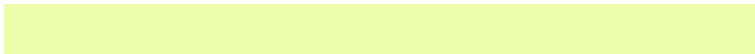
Harmonies

Complementary

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



74, 45.988, 301.292



97, 42.665, 116.305

Rectangle

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



74, 45.988, 301.292



74, 45.988, 351.292



74, 45.988, 121.292



74, 45.988, 171.292

Sweetspot

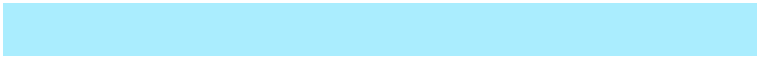
The Sweet Spot groups the original color and five complimentary colors.



74, 45.986, 301.292



92, 13.366, 299.237



90, 22.525, 221.130



48, 9.142, 299.344



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 45.986, 301.292



69, 56.567, 302.040



78, 49.019, 317.162



49, 7.592, 299.199



24, 105.995, 307.364



4, 44.586, 305.826

Inverse Universe

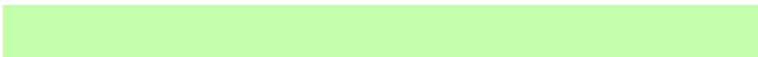
The Inverse Universe completely reimagines the original color for something new.



80, 45.376, 333.216



76, 54.774, 333.720



94, 47.815, 134.115



50, 7.805, 331.598



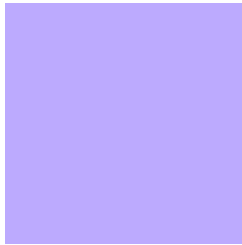
43, 78.858, 339.055



11, 36.979, 337.479

Previews

White Background



This preview shows how the CIELCh color 74, 45.988, 301.292 looks on a white background.

Color Contrast Check

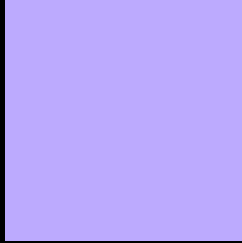
Large Text (above 18pt) WCAG AA × Fail

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 74, 45.988, 301.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

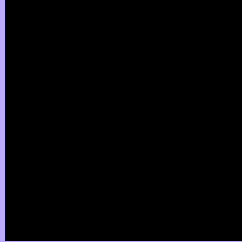
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 45.988, 301.292

Background



This preview shows how black text looks on a background with the CIELCh color 74, 45.988, 301.292.



This preview shows how white text looks on a background with the CIELCh color 74, 45.988, 301.292.

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

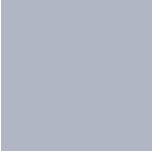
74, 46.033, 301.305

Protanopia

74, 41.372, 285.302

Deuteranopia

74, 39.225, 284.518



Tritanopia
74, 7.756, 277.571

Trichromacy



Original Color
74, 46.033, 301.305

Protanomaly
74, 42.787, 291.272

Deuteranomaly
74, 41.708, 291.502

Tritanomaly
74, 21.201, 294.935

Monochromacy



Original Color
74, 46.033, 301.305

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 16.416, 299.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 45.988, 301.292 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(188, 170, 254)` looks like.

```
.text, #text, p{  
    color:rgb(188, 170, 254)  
}
```

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(188, 170, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 170, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 45.988, 301.292 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(188, 170, 254) }
```

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

```
.border{ border-color:rgb(188, 170, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 170, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 170, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 170, 254);  
box-shadow:4px 4px 4px 4px rgb(188, 170,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 45.988, 301.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 170, 254) }
```

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

```
.background{ background-color: rgb(188,  
170, 254) }
```

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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