

Converting Colors

CIELCh(75, 45.624, 316.055)

Have a look what the booklet for
CIELCh(75, 45.624, 316.055)
contains.

CIELCh(75, 45.626, 316.060)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 45.626, 316.060)

Conversions

Conversions Part 1

Format	Color
Hex	D9A5F3
RGB	217, 165, 243
RGB Percent	85%, 65%, 95%
CMY	0.1480, 0.3520, 0.0460
CMYK	0.11, 0.32, 0.00, 0.05
HSL	280°, 77%, 80%
HSV	280°, 32%, 95%
XYZ	58.4100, 48.2781, 91.2422
YIQ	189.4400, 5.9540, 35.2820

Conversions

Conversions Part 2

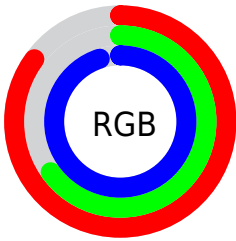
Format	Color
R _{YB}	217, 165, 243
Decimal	14263795
CIE _{Lab}	75.00, 32.85, -31.66
CIE _{LCh}	75, 45.626, 316.060
Y _{xy}	48.2781, 0.2951, 0.2439
Android (android.graphics.Color)	4292453875 (0xFFD9A5F3)
YUV	189.4400, 26.4051, 24.1701
Hunter-Lab	69.4824, 28.4605, -29.2201

Details

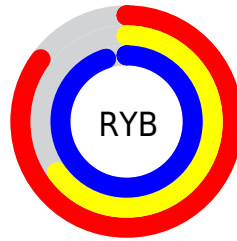
The CIELCh color $75, 45.626, 316.060$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $91, 44.384, 133.146$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 21.281, 325.165$, and $55, 46.101, 315.956$ is the 20% darker color. If you saturate the color by 10%, you get $69, 60.017, 316.487$, and if you desaturate by 10%, it is $81, 31.172, 315.613$.

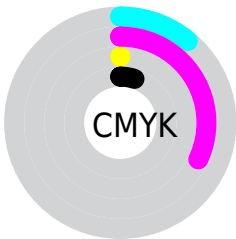
Distribution



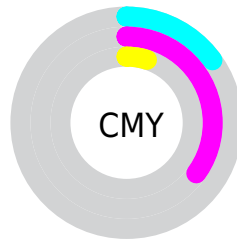
- Red (85%)
- Green (65%)
- Blue (95%)



- Red (85%)
- Yellow (65%)
- Blue (95%)



- Cyan (11%)
- Magenta (32%)
- Yellow (0%)
- Black (5%)





- Cyan (15%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 45.626, 316.060 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, 45.626, 316.060 by changing the saturation by 10% instead.


 75, 45.626,
316.060


 75, 45.626,
316.060


 100, 45.626,
316.060


 65, 45.626,
316.060


 95, 45.626,
316.060

 55, 45.626,
316.060

 45, 45.626,
316.060

 35, 45.626,
316.060

 25, 45.626,
316.060

 15, 45.626,
316.060

 5, 45.626, 316.060

■ 0, 45.626, 316.060

■ 75, 45.626,
316.060

■ 75, 45.626,
316.060

■ 69, 60.017,
316.487

■ 81, 31.172,
315.613

■ 63, 74.007,
316.863

■ 88, 16.877,
315.167

■ 58, 87.084,
317.139

■ 95, 2.867, 314.687

■ 99, 6.254, 127.186

■ 53, 98.562,
317.254

■ 100, 5.939,
109.721

■ 49, 107.649,
317.133

■ 46, 113.670,
316.706

■ 45, 116.414,
316.161

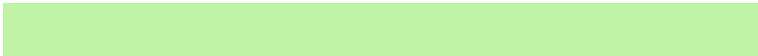
Harmonies

Complementary

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



75, 45.626, 316.060



91, 44.384, 133.146

Rectangle

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



75, 45.626, 316.060



75, 45.626, 6.060



75, 45.626, 136.060



75, 45.626, 186.060

Sweetspot

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



75, 45.624, 316.060



93, 14.496, 315.076



77, 28.779, 276.219



49, 9.905, 315.139



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, 45.624, 316.060



74, 56.297, 316.322



77, 43.958, 331.400



48, 7.965, 315.053



34, 95.131, 316.329



7, 41.628, 317.537

Inverse Universe

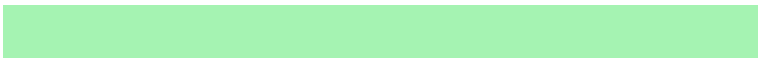
The Inverse Universe completely reimagines the original color for something new.



76, 32.400, 357.279



76, 40.081, 358.190



90, 43.841, 146.931



48, 5.574, 354.538



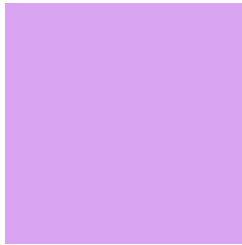
39, 68.236, 18.081



9, 29.625, 9.002

Previews

White Background



This preview shows how the CIELCh color 75, 45.626, 316.060 looks on a white background.

Color Contrast Check

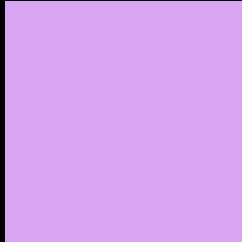
Large Text (above 18pt) WCAG AA × Fail

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, 45.626, 316.060 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, 45.626, 316.060

Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.626, 316.060.



This preview shows how white text looks on a background with the CIELCh color 75, 45.626, 316.060.

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, 45.626, 316.060

Protanopia
75, 39.607, 285.479

Deuteranopia
75, 31.368, 287.811



Tritanopia
75, 14.487, 349.375

Trichromacy



Original Color
75, 45.626, 316.060



Protanomaly
75, 40.694, 296.954



Deuteranomaly
75, 35.522, 300.204



Tritanomaly
75, 24.679, 327.593

Monochromacy



Original Color
75, 45.626, 316.060



Achromatopsia
77, 0.009, 296.813



Achromatomaly
76, 16.632, 315.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 45.626, 316.060 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(217, 165, 243)` looks like.

```
.text, #text, p{  
    color:rgb(217, 165, 243)  
}
```

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(217, 165, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 165, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 45.626, 316.060 is called "border". The border property can be set on classes, ids or directly on the HTML element.

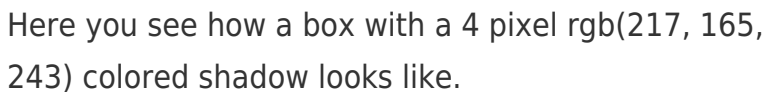
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 165, 243) }
```

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

```
.border{ border-color:rgb(217, 165, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 165, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 165, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 165, 243); box-shadow:4px 4px 4px 4px rgb(217, 165, 243) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 45.626, 316.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 165, 243) }
```

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

```
.background{ background-color: rgb(217,  
165, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor