

# Converting Colors

CIELCh(75, 21.804, 305.911)

Have a look what the booklet for  
CIELCh(75, 21.804, 305.911)  
contains.

<b>CIELCh(75, 21.826, 305.916)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(75, 21.826, 305.916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1B2D9
RGB	193, 178, 217
RGB Percent	76%, 70%, 85%
CMY	0.2425, 0.3013, 0.1484
CMYK	0.11, 0.18, 0.00, 0.15
HSL	263°, 34%, 78%
HSV	263°, 18%, 85%
XYZ	50.5285, 48.2781, 72.4104
YIQ	186.9310, -3.5790, 15.3090

# Conversions

## Conversions Part 2

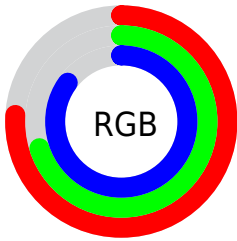
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 178, 217
Decimal	12694233
CIELab	75.00, 12.80, -17.68
CIELCh	75, 21.826, 305.916
Yxy	48.2781, 0.2951, 0.2820
Android (android.graphics.Color)	4290884313 (0xFFC1B2D9)
YUV	186.9310, 14.8240, 5.3225
Hunter-Lab	69.4824, 8.2132, -13.1507

# Details

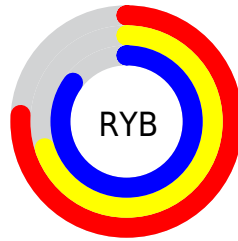
The CIELCh color  $75, 21.826, 305.916$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $85, 21.166, 124.028$ , and the grayscale version is  $76, 0.009, 296.813$ .

A 20% lighter version of the original color is  $94, 12.217, 317.997$ , and  $55, 21.998, 305.973$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 34.512, 306.549$ , and if you desaturate by 10%, it is  $82, 9.519, 305.340$ .

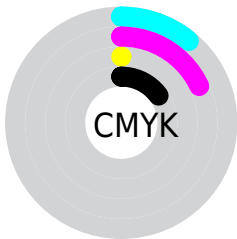
# Distribution



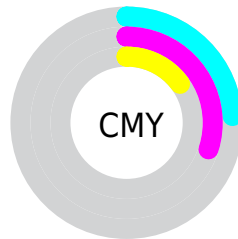
- Red (76%)
- Green (70%)
- Blue (85%)



- Red (76%)
- Yellow (70%)
- Blue (85%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)




- Cyan (24%)
- Magenta (30%)
- Yellow (15%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 21.826, 305.916 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, 21.826, 305.916 by changing the saturation by 10% instead.





 75, 21.826,  
305.916


 75, 21.826,  
305.916


 100, 21.826,  
305.916


 65, 21.826,  
305.916


 95, 21.826,  
305.916

 55, 21.826,  
305.916

 45, 21.826,  
305.916

 35, 21.826,  
305.916

 25, 21.826,  
305.916

 15, 21.826,  
305.916

 5, 21.826, 305.916

■ 0, 21.826, 305.916

■ 75, 21.826,  
305.916

■ 75, 21.826,  
305.916

■ 68, 34.512,  
306.549

■ 82, 9.519, 305.340

■ 88, 2.385, 124.877

■ 62, 47.525,  
307.237

■ 95, 13.891,  
124.403

■ 56, 60.731,  
307.959

■ 99, 19.411,  
117.844

■ 50, 73.871,  
308.674

■ 99, 19.129,  
108.730

■ 44, 86.469,  
309.313

■ 39, 97.758,  
309.765

■ 35, 106.684,  
309.884

■ 32, 112.391,  
309.559

■ 32, 113.380,  
309.487

# Harmonies

# Complementary

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



75, 21.826, 305.916



85, 21.166, 124.028

# Rectangle

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



75, 21.826, 305.916



75, 21.826, 355.916



75, 21.826, 125.916



75, 21.826, 175.916

# Sweetspot

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



75, 21.824, 305.915



96, 6.782, 305.180



80, 11.296, 244.001



51, 4.632, 305.219



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, 21.824, 305.915



84, 30.659, 306.177



77, 24.367, 322.092



43, 6.858, 305.421



24, 95.680, 309.646



3, 30.527, 305.088



# Inverse Universe

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



77, 19.294, 339.284



86, 26.984, 339.644



83, 24.245, 140.281



43, 6.106, 338.586



38, 65.970, 351.434



6, 26.573, 346.425



# Previews

## White Background



This preview shows how the CIELCh color 75, 21.826, 305.916 looks on a white background.

## Color Contrast Check

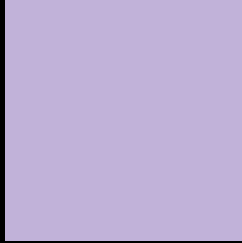
Large Text (above 18pt) WCAG AA × Fail

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, 21.826, 305.916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

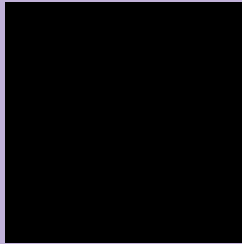
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 21.826, 305.916

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 21.826, 305.916.



This preview shows how white text looks on a background with the CIELCh color 75, 21.826, 305.916.

# 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, 21.826, 305.916

### Protanopia

75, 20.043, 286.239

### Deuteranopia

75, 20.211, 298.892





**Tritanopia**  
75, 8.145, 311.806

# Trichromacy



**Original Color**  
75, 21.826, 305.916

**Protanomaly**  
75, 20.579, 293.992

**Deuteranomaly**  
75, 20.920, 301.586

**Tritanomaly**  
75, 12.991, 307.298

# Monochromacy



**Original Color**  
75, 21.826, 305.916

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
76, 7.798, 304.296

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 21.826, 305.916 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(193, 178, 217)` looks like.

```
.text, #text, p{  
    color:rgb(193, 178, 217)  
}
```

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(193, 178, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 178, 217) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 21.826, 305.916 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(193, 178, 217) }
```

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

```
.border{ border-color:rgb(193, 178, 217) }
```

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

Here you see how a box with a 4 pixel rgb(193, 178, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 178, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 178, 217);  
box-shadow:4px 4px 4px 4px rgb(193, 178,  
217) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 21.826, 305.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 178, 217) }
```

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

```
.background{ background-color: rgb(193,  
178, 217) }
```

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