

# Converting Colors

CIELCh(79, 25.993, 305.989)

Have a look what the booklet for  
CIELCh(79, 25.993, 305.989)  
contains.

<b>CIELCh(79, 25.993, 305.989)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(79, 25.993, 305.989)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEBCEB
RGB	206, 188, 235
RGB Percent	81%, 74%, 92%
CMY	0.1931, 0.2637, 0.0794
CMYK	0.12, 0.20, 0.00, 0.08
HSL	263°, 54%, 83%
HSV	263°, 20%, 92%
XYZ	58.2707, 54.9284, 85.9312
YIQ	198.7400, -4.3590, 18.4330

# Conversions

## Conversions Part 2

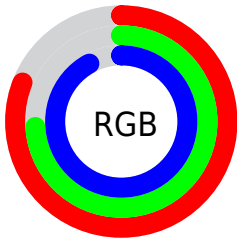
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 188, 235
Decimal	13548779
CIE Lab	79.00, 15.27, -21.03
CIE LCh	79, 25.993, 305.989
Yxy	54.9284, 0.2926, 0.2758
Android (android.graphics.Color)	4291738859 (0xFFCEBCEB)
YUV	198.7400, 17.8762, 6.3670
Hunter-Lab	74.1137, 10.6438, -16.8643

# Details

The CIELCh color **79, 25.993, 305.989** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91, 25.109, 123.851**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 6.851, 324.635**, and **59, 25.710, 305.589** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.587, 306.640**, and if you desaturate by 10%, it is **86, 12.797, 305.396**.

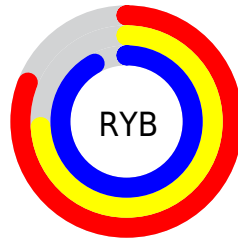
# Distribution



Red (81%)

Green (74%)

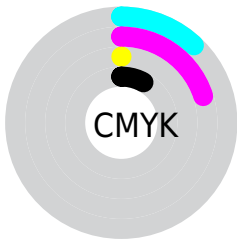
Blue (92%)



Red (81%)

Yellow (74%)

Blue (92%)

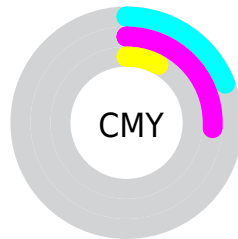


Cyan (12%)

Magenta (20%)

Yellow (0%)

Black (8%)



Cyan (19%)

Magenta (26%)


Yellow (8%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 25.993, 305.989 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 79, 25.993, 305.989 by changing the saturation by 10% instead.





 79, 25.993,  
305.989

 79, 25.993,  
305.989


 100, 25.993,  
305.989


 69, 25.993,  
305.989


 99, 25.993,  
305.989

 59, 25.993,  
305.989

 49, 25.993,  
305.989

 39, 25.993,  
305.989

 29, 25.993,  
305.989

 19, 25.993,  
305.989

 9, 25.993, 305.989

0, 25.993, 305.989

79, 25.993,  
305.989

79, 25.993,  
305.989

72, 39.587,  
306.640

86, 12.797,  
305.396

65, 53.510,  
307.344

93, 0.031, 302.041

59, 67.595,  
308.075

99, 10.491,  
120.820

52, 81.519,  
308.787

100, 10.255,  
109.401

46, 94.706,  
309.401

41, 106.248,  
309.794

■ 37,114.975,  
309.813

■ 34,120.334,  
309.411

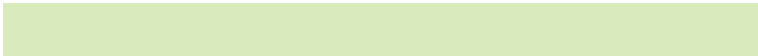
# Harmonies

# Complementary

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



79, 25.993, 305.989



91, 25.109, 123.851

# Rectangle

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



79, 25.993, 305.989



79, 25.993, 355.989



79, 25.993, 125.989



79, 25.993, 175.989

# Sweetspot

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



79, 25.991, 305.988



96, 8.148, 305.175



85, 13.269, 242.145



50, 5.410, 305.211



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



79, 25.991, 305.988



82, 33.545, 306.248



81, 28.823, 321.703



45, 7.248, 305.365



26, 98.863, 309.584



4, 37.068, 307.748



# Inverse Universe

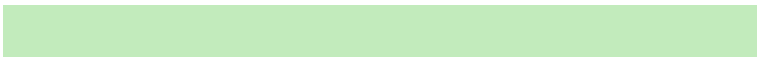
The Inverse Universe completely reimagines the original color for something new.



81, 22.959, 339.386



85, 29.493, 339.740



89, 28.644, 139.692



46, 6.462, 338.514



40, 68.131, 351.396



8, 30.071, 346.885



# Previews

## White Background



This preview shows how the CIELCh color 79, 25.993, 305.989 looks on a white background.

## Color Contrast Check

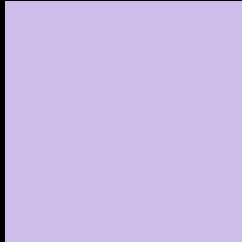
Large Text (above 18pt) WCAG AA × Fail

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 79, 25.993, 305.989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

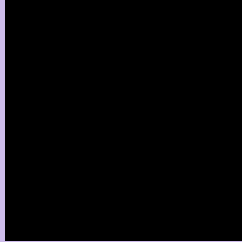
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 79, 25.993, 305.989

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 25.993, 305.989.



This preview shows how white text looks on a background with the CIELCh color 79, 25.993, 305.989.

# 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

79, 25.993, 305.989


### Protanopia

79, 24.148, 285.292

### Deuteranopia

79, 23.109, 296.401





**Tritanopia**  
79, 8.559, 310.519

# Trichromacy



**Original Color**  
79, 25.993, 305.989

**Protanomaly**  
79, 24.078, 293.108

**Deuteranomaly**  
79, 23.857, 300.413

**Tritanomaly**  
79, 15.114, 307.697

# Monochromacy



**Original Color**  
79, 25.993, 305.989

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 9.457, 306.316

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 25.993, 305.989 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(206, 188, 235)` looks like.

```
.text, #text, p{  
    color:rgb(206, 188, 235)  
}
```

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(206, 188, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 188, 235) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 25.993, 305.989 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(206, 188, 235) }
```

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

```
.border{ border-color:rgb(206, 188, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 188, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 188, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 188, 235);  
box-shadow:4px 4px 4px 4px rgb(206, 188,  
235) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 25.993, 305.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 188, 235) }
```

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

```
.background{ background-color: rgb(206,  
188, 235) }
```

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