

# Converting Colors

CIELCh(78, 18.751, 329.746)

Have a look what the booklet for  
CIELCh(78, 18.751, 329.746)  
contains.

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# Color

**CIELCh(78, 19.218, 329.796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B7D3
RGB	216, 183, 211
RGB Percent	85%, 72%, 83%
CMY	0.1527, 0.2821, 0.1723
CMYK	0.00, 0.15, 0.02, 0.15
HSL	309°, 30%, 78%
HSV	309°, 15%, 85%
XYZ	57.0546, 53.2120, 68.9387
YIQ	196.0590, 10.6800, 15.7040

# Conversions

## Conversions Part 2

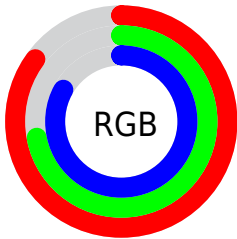
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 183, 211
Decimal	14202835
CIE Lab	78.00, 16.61, -9.67
CIE LCh	78, 19.218, 329.796
Yxy	53.2120, 0.3184, 0.2969
Android (android.graphics.Color)	4292392915 (0xFFD8B7D3)
YUV	196.0590, 7.3659, 17.4883
Hunter-Lab	72.9466, 11.9559, -4.9699

# Details

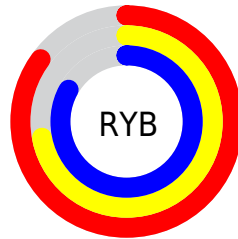
The CIELCh color **78, 19.218, 329.796** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **83, 19.167, 147.900**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 9.976, 324.758**, and **58, 18.962, 330.351** is the 20% darker color. If you saturate the color by 10%, you get **73, 31.861, 330.425**, and if you desaturate by 10%, it is **83, 6.595, 329.159**.

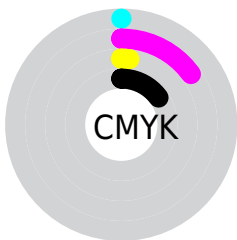
# Distribution



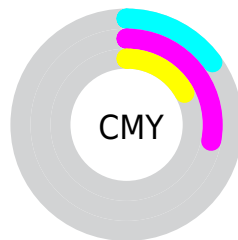
- Red (85%)
- Green (72%)
- Blue (83%)



- Red (85%)
- Yellow (72%)
- Blue (83%)



- Cyan (0%)
- Magenta (15%)
- Yellow (2%)
- Black (15%)




- Cyan (15%)
- Magenta (28%)
- Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 19.218, 329.796 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 78, 19.218, 329.796 by changing the saturation by 10% instead.





 78, 19.218,  
329.796

 78, 19.218,  
329.796


 100, 19.218,  
329.796


 68, 19.218,  
329.796


 98, 19.218,  
329.796

 58, 19.218,  
329.796

 48, 19.218,  
329.796

 38, 19.218,  
329.796

 28, 19.218,  
329.796

 18, 19.218,  
329.796

 8, 19.218, 329.796

78, 19.218,  
329.796

78, 19.218,  
329.796

73, 31.861,  
330.425

83, 6.595, 329.159

68, 44.285,  
331.060

89, 5.840, 148.673

63, 56.140,  
331.700

95, 17.992,  
148.073

59, 66.969,  
332.343

97, 21.037,  
149.771

56, 76.234,  
332.989

97, 19.770,  
152.867

53, 83.397,  
333.647

97, 18.561,  
156.362

97, 17.424,

■ 51, 88.052,  
334.331

160.313

■ 50, 90.097,  
335.069

■ 97, 16.374,  
164.778

■ 50, 90.482,  
335.434

■ 97, 15.429,  
169.809

# Harmonies

# Complementary

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



78, 19.218, 329.796



83, 19.167, 147.900

# Rectangle

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



78, 19.218, 329.796



78, 19.218, 19.796



78, 19.218, 149.796



78, 19.218, 199.796

# Sweetspot

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



78, 19.216, 329.797



97, 7.153, 329.143



76, 17.926, 297.311



51, 4.882, 329.192



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



78, 19.216, 329.797



89, 25.933, 329.978



78, 13.796, 354.039



42, 7.068, 329.429



39, 76.093, 335.300



6, 29.484, 333.685



# Inverse Universe

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



78, 19.216, 329.797



89, 25.933, 329.978



84, 13.302, 171.199



42, 7.068, 329.429



39, 76.093, 335.300

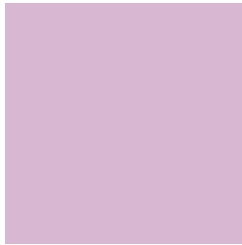


6, 29.484, 333.685



# Previews

## White Background



This preview shows how the CIELCh color 78, 19.218, 329.796 looks on a white background.

## Color Contrast Check

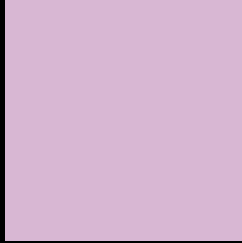
Large Text (above 18pt) WCAG AA × Fail

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 78, 19.218, 329.796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

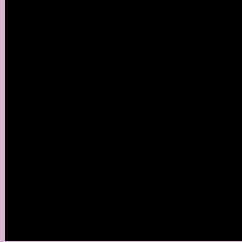
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 19.218, 329.796

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 19.218, 329.796.



This preview shows how white text looks on a background with the CIELCh color 78, 19.218, 329.796.

# 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

78, 19.218, 329.796

### Protanopia

78, 12.862, 288.242

### Deuteranopia

78, 13.180, 317.018





**Tritanopia**  
78, 13.109, 345.733

# Trichromacy



**Original Color**  
78, 19.218, 329.796

**Protanomaly**  
78, 13.920, 306.094

**Deuteranomaly**  
78, 15.178, 322.729

**Tritanomaly**  
78, 15.298, 339.107

# Monochromacy



**Original Color**  
78, 19.218, 329.796

**Achromatopsia**  
79, 0.010, 296.813

**Achromatomaly**  
79, 6.957, 329.702

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 19.218, 329.796 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(216, 183, 211)` looks like.

```
.text, #text, p{  
    color:rgb(216, 183, 211)  
}
```

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(216, 183, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 183, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 19.218, 329.796 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(216, 183, 211) }
```

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

```
.border{ border-color:rgb(216, 183, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 183, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 183, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 183, 211);  
box-shadow:4px 4px 4px 4px rgb(216, 183,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 19.218, 329.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 183, 211) }
```

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

```
.background{ background-color: rgb(216,  
183, 211) }
```

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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