

# Converting Colors

CIELCh(100, 3.914, 172.175)

Have a look what the booklet for  
CIELCh(100, 3.914, 172.175)  
contains.

<b>CIELCh(99, 2.827, 189.098)</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(99, 2.827, 189.098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FEFD
RGB	246, 254, 253
RGB Percent	96%, 100%, 99%
CMY	0.0359, 0.0045, 0.0084
CMYK	0.03, 0.00, 0.00, 0.00
HSL	172°, 78%, 98%
HSV	172°, 3%, 100%
XYZ	91.0542, 97.4360, 106.8104
YIQ	251.4940, -4.4470, -2.0070

# Conversions

## Conversions Part 2

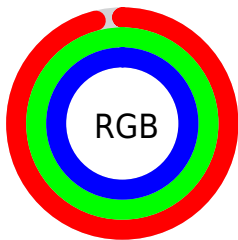
Format	Color
R <sub>Y</sub> B	246, 250, 254
Decimal	16187133
CIE Lab	99.00, -2.79, -0.45
CIE LCh	99, 2.827, 189.098
Yxy	97.4360, 0.3083, 0.3300
Android (android.graphics.Color)	4294377213 (0xFF6FEFD)
YUV	251.4940, 0.7425, -4.8182
Hunter-Lab	98.7097, -8.0856, 4.9411

# Details

The CIELCh color 99, 2.827, 189.098 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 2.878, 9.139, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 2.610, 187.609 is the 20% darker color. If you saturate the color by 10%, you get 97, 11.615, 188.069, and if you desaturate by 10%, it is 100, 0.721, 324.037.

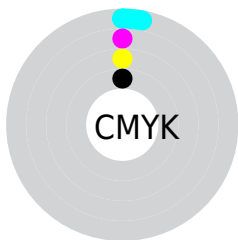
# Distribution



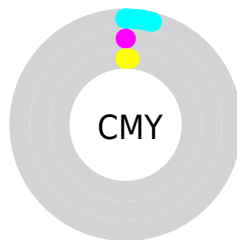
- Red (96%)
- Green (100%)
- Blue (99%)



- Red (96%)
- Yellow (98%)
- Blue (100%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 2.827, 189.098 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 99, 2.827, 189.098 by changing the saturation by 10% instead.



 99, 2.827, 189.098

 99, 2.827, 189.098

 100, 2.827,  
189.098

 89, 2.827, 189.098

 79, 2.827, 189.098

 69, 2.827, 189.098

 59, 2.827, 189.098

 49, 2.827, 189.098

 39, 2.827, 189.098

 29, 2.827, 189.098

 19, 2.827, 189.098

 9, 2.827, 189.098

99, 2.827, 189.098

99, 2.827, 189.098

97, 11.615,  
188.069

100, 0.721,  
324.037

96, 19.985,  
187.202

94, 27.792,  
186.321

93, 34.882,  
185.409

92, 41.106,  
184.451

91, 46.342,  
183.429

91, 50.510,  
182.324

90, 53.596,  
181.115

■ 90, 55.672,  
179.784

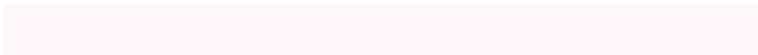
# Harmonies

# Complementary

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



99, 2.827, 189.098



97, 2.878, 9.139

# Rectangle

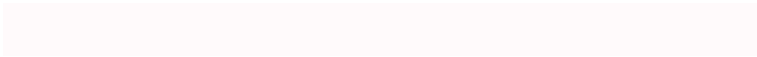
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



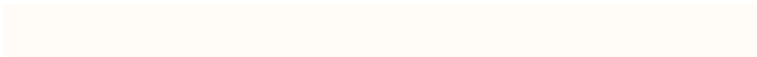
99, 2.827, 189.098



99, 2.827, 239.098



99, 2.827, 9.098



99, 2.827, 59.098

# Sweetspot

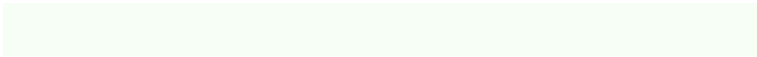
The Sweet Spot groups the original color and five complimentary colors.



99, 2.829, 189.061



100, 0.902, 189.718



99, 4.756, 140.672



53, 0.513, 189.759



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

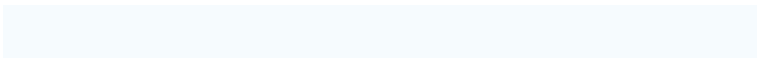
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 2.829, 189.061



99, 3.601, 188.945



98, 2.293, 240.366



53, 2.557, 188.856



70, 45.675, 179.074



23, 20.645, 180.930

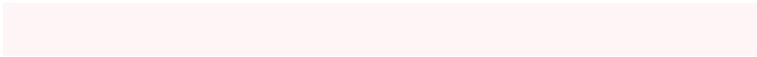


# Inverse Universe

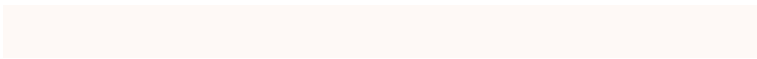
The Inverse Universe completely reimagines the original color for something new.



97, 2.878, 9.139



97, 3.676, 9.259



98, 2.314, 59.294



51, 2.618, 9.353



40, 78.728, 34.574



10, 32.432, 22.054



# Previews

## White Background



This preview shows how the CIE LCh color 99, 2.827, 189.098 looks on a white background.

## Color Contrast Check

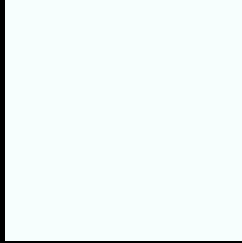
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 99, 2.827, 189.098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

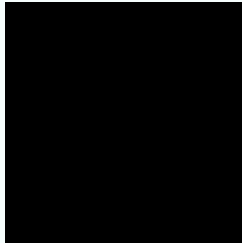
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 2.827, 189.098**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 2.827, 189.098.



This preview shows how white text looks on a background with the CIELCh color 99, 2.827, 189.098.

# 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**

99, 2.829, 189.097

**Protanopia**

99, 1.406, 19.030

**Deuteranopia**

99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 2.829, 189.097

**Protanomaly**

99, 0.012, 296.813

**Deuteranomaly**

99, 0.012, 296.813

**Tritanomaly**

99, 1.158, 226.033

# Monochromacy



**Original Color**

99, 2.829, 189.097



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.045, 199.967

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 2.827, 189.098 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(246, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(246, 254, 253)  
}
```

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(246, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 254, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 2.827, 189.098 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(246, 254, 253) }
```

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

```
.border{ border-color:rgb(246, 254, 253) }
```

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

Here you see how a box with a 4 pixel rgb(246, 254, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(246, 254,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 2.827, 189.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 254, 253) }
```

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

```
.background{ background-color: rgb(246,  
254, 253) }
```

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