

# Converting Colors

CIELCh(100, 12.969, 269.417)

Have a look what the booklet for  
CIELCh(100, 12.969, 269.417)  
contains.

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# **Color**

**CIELCh(99, 4.482, 199.269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFFF
RGB	242, 255, 255
RGB Percent	95%, 100%, 100%
CMY	0.0518, 0.0008, 0.0008
CMYK	0.05, 0.00, 0.00, 0.00
HSL	180°, 97%, 97%
HSV	180°, 5%, 100%
XYZ	90.2588, 97.4360, 108.4832
YIQ	251.1130, -7.7480, -2.7560

# Conversions

## Conversions Part 2

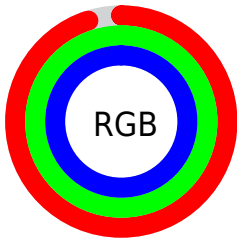
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 249, 255
Decimal	15925247
CIE <sub>Lab</sub>	99.00, -4.23, -1.48
CIE <sub>LCh</sub>	99, 4.482, 199.269
Yxy	97.4360, 0.3047, 0.3290
Android (android.graphics.Color)	4294115327 (0xFFFF2FFFFF)
YUV	251.1130, 1.9163, -7.9921
Hunter-Lab	98.7097, -9.5240, 3.9363

# Details

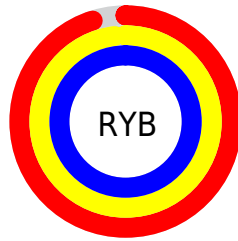
The CIELCh color 99, 4.482, 199.269 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 4.631, 19.551, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 4.331, 199.200 is the 20% darker color. If you saturate the color by 10%, you get 97, 12.927, 198.615, and if you desaturate by 10%, it is 100, 0.073, 8.750.

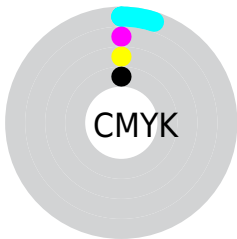
# Distribution



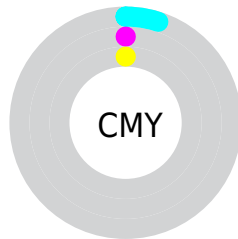
- Red (95%)
- Green (100%)
- Blue (100%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 4.482, 199.269 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, 4.482, 199.269 by changing the saturation by 10% instead.



 99, 4.482, 199.269

 99, 4.482, 199.269

 100, 4.482,  
199.269

 89, 4.482, 199.269

 79, 4.482, 199.269

 69, 4.482, 199.269

 59, 4.482, 199.269

 49, 4.482, 199.269

 39, 4.482, 199.269

 29, 4.482, 199.269

 19, 4.482, 199.269

 9, 4.482, 199.269

99, 4.482, 199.269

99, 4.482, 199.269

97, 12.927,  
198.615

100, 0.073, 8.750

100, 0.074, 5.747

96, 20.796,  
198.109

100, 0.075, 2.823

95, 27.944,  
197.665

100, 0.076,  
359.990

94, 34.227,  
197.283

100, 0.078,  
357.256

93, 39.521,  
196.967

100, 0.079,  
354.627

92, 43.734,  
196.718


100, 0.081,  
352.109

92, 46.827,  
196.536

100, 0.083,  
349.704

91, 48.827,  
196.417

100, 0.085,

 91, 49.843,  
196.355

347.412

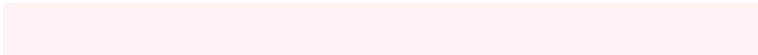
# Harmonies

# Complementary

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



99, 4.482, 199.269



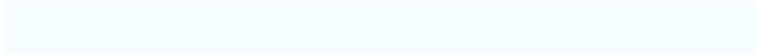
96, 4.631, 19.551

# Rectangle

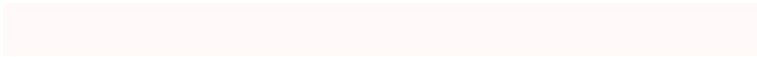
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



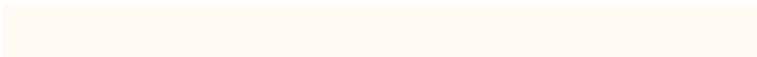
99, 4.482, 199.269



99, 4.482, 249.269



99, 4.482, 19.269



99, 4.482, 69.269

# Sweetspot

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



99, 4.483, 199.243



100, 1.770, 199.642



99, 8.037, 143.751



53, 1.006, 199.667



0, 0.000, 0.000



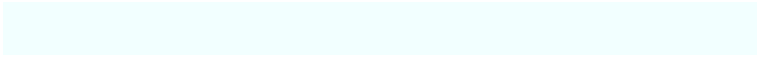
53, 0.007, 296.813



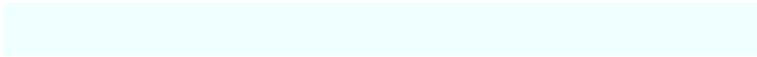


# Same Dimension

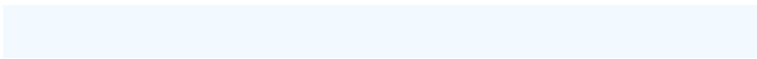
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 4.483, 199.243



99, 5.264, 199.172



97, 3.931, 254.343



53, 3.486, 199.124



70, 40.374, 196.339

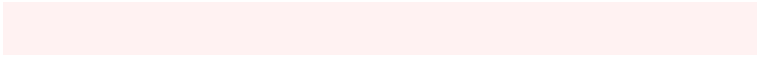


24, 18.573, 196.345



# Inverse Universe

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



96, 4.631, 19.551



96, 5.468, 19.632



98, 3.971, 72.865



51, 3.636, 19.687



40, 84.215, 39.988



10, 33.365, 27.164



# Previews

## White Background



This preview shows how the CIELCh color 99, 4.482, 199.269 looks on a white background.

## Color Contrast Check

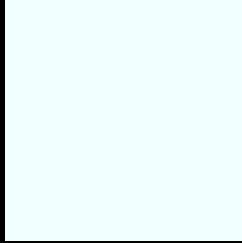
Large Text (above 18pt) WCAG AA × Fail

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 99, 4.482, 199.269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

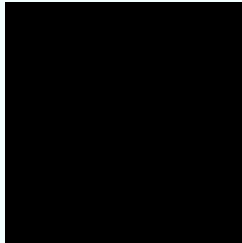
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 4.482, 199.269

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.482, 199.269.



This preview shows how white text looks on a background with the CIELCh color 99, 4.482, 199.269.

# 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

A vertical rectangular area divided into three colored sections: a light cyan top section, a light pink middle section, and a light yellow bottom section. To the right of each section is text describing the color and its corresponding L and M cone photoreceptor values.

### Original Color

99, 4.482, 199.269

### Protanopia

99, 1.502, 359.268

### Deuteranopia

99, 1.748, 343.501



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 4.482, 199.269

**Protanomaly**

99, 0.862, 236.466

**Deuteranomaly**

99, 1.233, 255.968

**Tritanomaly**

99, 2.000, 230.270

# Monochromacy



**Original Color**

99, 4.482, 199.269

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.392, 199.788

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 4.482, 199.269 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(242, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 255)  
}
```

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(242, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 4.482, 199.269 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(242, 255, 255) }
```

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

```
.border{ border-color:rgb(242, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 4.482, 199.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 255) }
```

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

```
.background{ background-color: rgb(242,  
255, 255) }
```

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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