

Converting Colors

CIELCh(100, 21.151, 280.092)

Have a look what the booklet for
CIELCh(100, 21.151, 280.092)
contains.

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Color

CIELCh(99, 4.499, 205.780)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFFF
RGB	242, 255, 255
RGB Percent	95%, 100%, 100%
CMY	0.0521, 0.0011, 0.0000
CMYK	0.05, 0.00, 0.00, 0.00
HSL	181°, 100%, 97%
HSV	181°, 5%, 100%
XYZ	90.3579, 97.4360, 109.2633
YIQ	251.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

Format	Color
R_{YB}	242, 249, 255
Decimal	15925247
CIE _{Lab}	99.00, -4.05, -1.96
CIE _{LCh}	99, 4.499, 205.780
Yxy	97.4360, 0.3042, 0.3280
Android (android.graphics.Color)	4294115327 (0xFF2F2FFF)
YUV	251.1130, 1.9163, -7.9921
Hunter-Lab	98.7097, -9.3449, 3.4678

Details

The CIELCh color 99, 4.499, 205.780 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 4.636, 21.292, 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, 12.751, 200.491, and if you desaturate by 10%, it is 100, 0.012, 296.813.

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, 4.499, 205.780 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, 4.499, 205.780 by changing the saturation by 10% instead.

 99, 4.499, 205.780

 99, 4.499, 205.780

 100, 4.499,
205.780

 89, 4.499, 205.780

 79, 4.499, 205.780

 69, 4.499, 205.780

 59, 4.499, 205.780

 49, 4.499, 205.780

 39, 4.499, 205.780

 29, 4.499, 205.780

 19, 4.499, 205.780

 9, 4.499, 205.780

99, 4.499, 205.780

99, 4.499, 205.780

97, 12.751,
200.491

100, 0.012,
296.813

96, 20.448,
200.069

94, 27.432,
199.724

93, 33.562,
199.459

92, 38.710,
199.281

91, 42.785,
199.200

90, 45.742,
199.220

90, 47.606,
199.344

■ 90, 48.482,
199.569

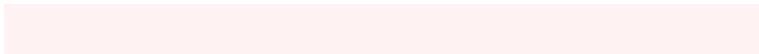
Harmonies

Complementary

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



99, 4.499, 205.780



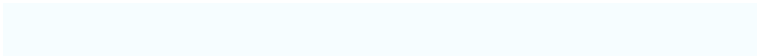
96, 4.636, 21.292

Rectangle

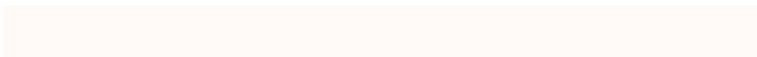
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



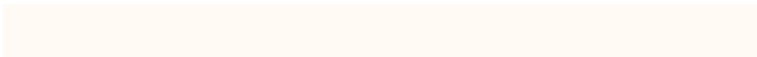
99, 4.499, 205.780



99, 4.499, 255.780



99, 4.499, 25.780



99, 4.499, 75.780

Sweetspot

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



99, 4.485, 201.043



100, 1.734, 201.434



99, 8.163, 144.625



53, 0.986, 201.459



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

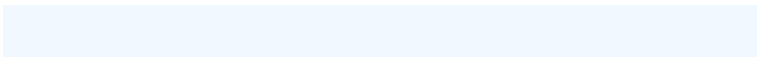
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 4.485, 201.043



99, 5.156, 200.986



97, 4.119, 257.973



53, 3.415, 200.942



69, 39.216, 199.645



23, 18.102, 199.242

Inverse Universe

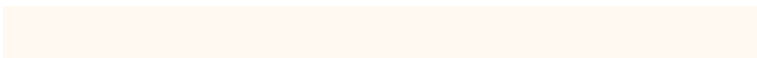
The Inverse Universe completely reimagines the original color for something new.



97, 8.163, 325.242



96, 9.407, 325.292



98, 4.151, 76.456



51, 6.242, 325.331



45, 91.598, 329.065



12, 42.221, 328.963

Previews

White Background



This preview shows how the CIELCh color 99, 4.499, 205.780 looks on a white background.

Color Contrast Check

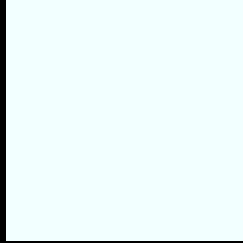
Large Text (above 18pt) WCAG AA × Fail

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, 4.499, 205.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

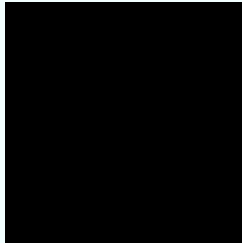
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 4.499, 205.780

Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.499, 205.780.



This preview shows how white text looks on a background with the CIELCh color 99, 4.499, 205.780.

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, 4.499, 205.780 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, 4.499, 205.780 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, 4.499, 205.780 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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