

Converting Colors

CIELCh(100, 6.886, 166.650)

Have a look what the booklet for
CIELCh(100, 6.886, 166.650)
contains.

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Color

CIELCh(99, 4.777, 180.596)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFFC
RGB	242, 255, 252
RGB Percent	95%, 100%, 99%
CMY	0.0509, 0.0000, 0.0117
CMYK	0.05, 0.00, 0.01, 0.00
HSL	166°, 100%, 97%
HSV	166°, 5%, 100%
XYZ	89.9584, 97.4360, 106.1710
YIQ	250.7710, -6.7850, -3.6890

Conversions

Conversions Part 2

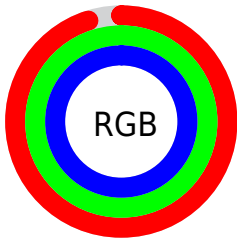
Format	Color
R _Y B	242, 249, 255
Decimal	15925244
CIE _{Lab}	99.00, -4.78, -0.05
CIE _{LCh}	99, 4.777, 180.596
Y _{xy}	97.4360, 0.3064, 0.3319
Android (android.graphics.Color)	4294115324 (0xFF2FFFC)
Y _{UV}	250.7710, 0.6059, -7.6922
Hunter-Lab	98.7097, -10.0672, 5.3251

Details

The CIELCh color 99, 4.777, 180.596 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 4.865, 1.345, 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, 4.666, 179.076 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.979, 179.633, and if you desaturate by 10%, it is 100, 0.012, 296.813.

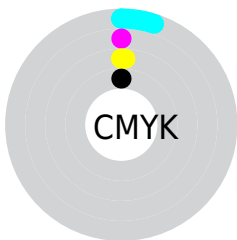
Distribution



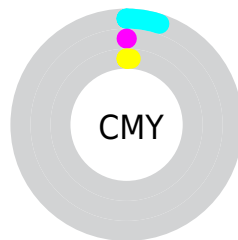
- Red (95%)
- Green (100%)
- Blue (99%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 4.777, 180.596 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, 4.777, 180.596 by changing the saturation by 10% instead.

 99, 4.777, 180.596

 99, 4.777, 180.596

 100, 4.777,
180.596

 89, 4.777, 180.596

 79, 4.777, 180.596

 69, 4.777, 180.596

 59, 4.777, 180.596

 49, 4.777, 180.596

 39, 4.777, 180.596

 29, 4.777, 180.596

 19, 4.777, 180.596

 9, 4.777, 180.596

99, 4.777, 180.596

99, 4.777, 180.596

97, 13.979,
179.633

100, 0.012,
296.813

96, 22.853,
178.616

94, 31.238,
177.538

93, 38.974,
176.374

92, 45.905,
175.103

91, 51.896,
173.700

90, 56.863,
172.140

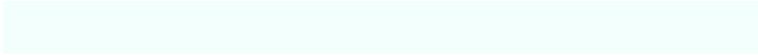
90, 60.791,
170.401

■ 90, 63.759,
168.476

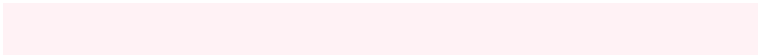
Harmonies

Complementary

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



99, 4.777, 180.596



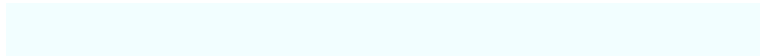
97, 4.865, 1.345

Rectangle

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



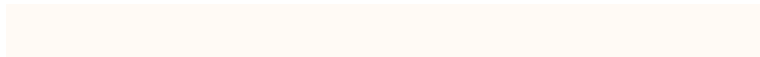
99, 4.777, 180.596



99, 4.777, 230.596



99, 4.777, 0.596



99, 4.777, 50.596

Sweetspot

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



99, 4.770, 180.658



100, 1.875, 181.133



99, 7.503, 137.613



53, 1.066, 181.159



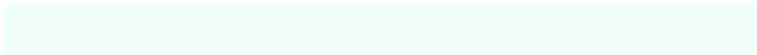
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



99, 4.770, 180.658



99, 5.616, 180.555



98, 3.704, 227.905



53, 3.723, 180.485



69, 52.070, 167.868



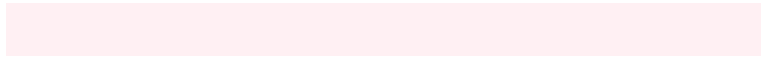
23, 23.120, 170.563

Inverse Universe

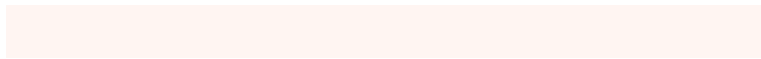
The Inverse Universe completely reimagines the original color for something new.



97, 4.865, 1.345



96, 5.745, 1.452



97, 3.806, 47.021



51, 3.816, 1.526



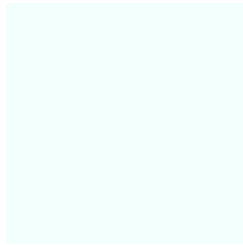
40, 73.517, 27.268



10, 31.810, 17.148

Previews

White Background



This preview shows how the CIELCh color 99, 4.777, 180.596 looks on a white background.

Color Contrast Check

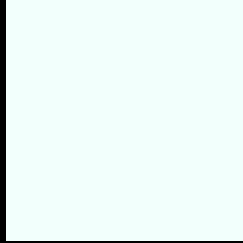
Large Text (above 18pt) WCAG AA × Fail

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, 4.777, 180.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

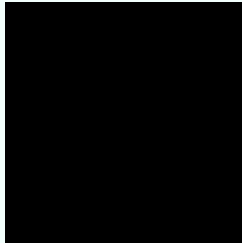
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 4.777, 180.596

Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.777, 180.596.



This preview shows how white text looks on a background with the CIELCh color 99, 4.777, 180.596.

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 orange middle section, and a light pink bottom section. To the right of each section is text describing the color and its corresponding L and M cone photoreceptor counts.

Original Color
99, 4.777, 180.596

Protanopia
99, 1.487, 38.999

Deuteranopia
99, 1.502, 359.268

Tritanopia
99, 1.571, 277.558

Trichromacy



Original Color

99, 4.777, 180.596

Protanomaly

99, 0.862, 164.145

Deuteranomaly

99, 0.697, 200.304

Tritanomaly

99, 1.804, 216.069

Monochromacy



Original Color

99, 4.777, 180.596

Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 1.488, 179.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 4.777, 180.596 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 4.777, 180.596 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, 252) }
```

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

```
.border{ border-color:rgb(242, 255, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 4.777, 180.596 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, 252) }
```

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

```
.background{ background-color: rgb(242,  
255, 252) }
```

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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