

Converting Colors

CIE LCh(99, 6.774, 175.799)

Have a look what the booklet for
CIELCh(99, 6.774, 175.799) contains.

CIELCh(99, 6.253, 180.085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(99, 6.253, 180.085)

Conversions

Conversions Part 1

Format	Color
Hex	EFFFFC
RGB	239, 255, 252
RGB Percent	94%, 100%, 99%
CMY	0.0632, 0.0000, 0.0122
CMYK	0.06, 0.00, 0.01, 0.00
HSL	168°, 100%, 97%
HSV	168°, 6%, 100%
XYZ	89.1493, 97.4360, 106.1062
YIQ	249.8740, -8.5730, -4.3250

Conversions

Conversions Part 2

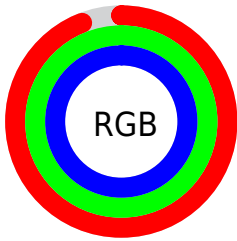
Format	Color
R _Y B	239, 248, 255
Decimal	15728636
CIE Lab	99.00, -6.25, -0.01
CIE LCh	99, 6.253, 180.085
Yxy	97.4360, 0.3046, 0.3329
Android (android.graphics.Color)	4293918716 (0xFFEFFFFC)
YUV	249.8740, 1.0481, -9.5365
Hunter-Lab	98.7097, -11.5303, 5.3641

Details

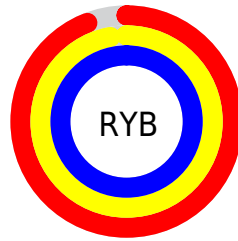
The CIELCh color **99, 6.253, 180.085** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 5.973, 4.248**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 5.686, 182.671** is the 20% darker color. If you saturate the color by 10%, you get **97, 14.807, 182.328**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

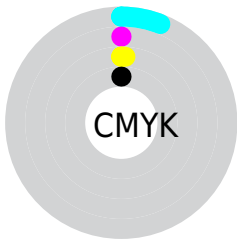
Distribution



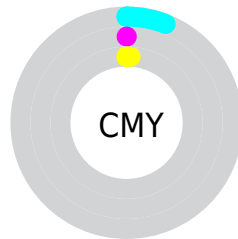
- Red (94%)
- Green (100%)
- Blue (99%)



- Red (94%)
- Yellow (97%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 6.253, 180.085 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, 6.253, 180.085 by changing the saturation by 10% instead.

 99, 6.253, 180.085

 99, 6.253, 180.085

 100, 6.253,
180.085

 89, 6.253, 180.085

 79, 6.253, 180.085

 69, 6.253, 180.085

 59, 6.253, 180.085

 49, 6.253, 180.085

 39, 6.253, 180.085

 29, 6.253, 180.085

 19, 6.253, 180.085

 9, 6.253, 180.085

99, 6.253, 180.085

99, 6.253, 180.085

97, 14.807,
182.328

100, 0.012,
296.813

95, 23.404,
181.345

94, 31.457,
180.310

93, 38.806,
179.203

92, 45.300,
178.003

91, 50.818,
176.687

91, 55.286,
175.230

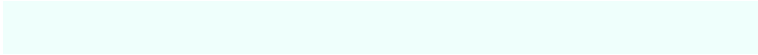
90, 58.705,
173.611

■ 90, 61.173,
171.821

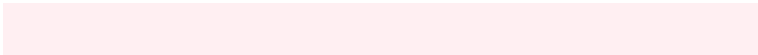
Harmonies

Complementary

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



99, 6.253, 180.085



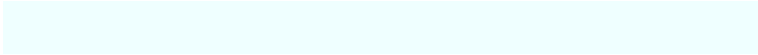
96, 5.973, 4.248

Rectangle

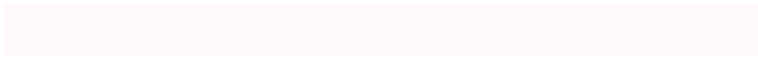
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



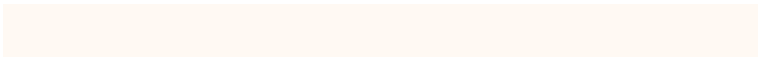
99, 6.253, 180.085



99, 6.253, 230.085



99, 6.253, 0.085



99, 6.253, 50.085

Sweetspot

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



99, 5.818, 183.311



100, 1.846, 183.923



99, 9.418, 138.549



53, 1.050, 183.949



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

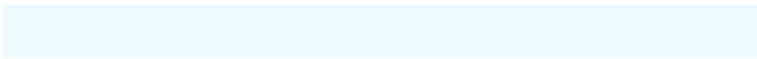
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 5.818, 183.311



98, 7.347, 183.138



98, 4.563, 232.150



52, 5.211, 182.989



69, 49.676, 171.488



23, 22.191, 173.951

Inverse Universe

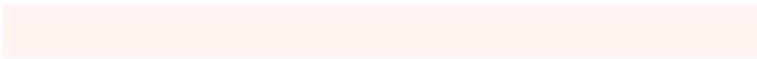
The Inverse Universe completely reimagines the original color for something new.



96, 5.973, 4.248



95, 7.591, 4.434



97, 4.714, 51.011



50, 5.417, 4.597



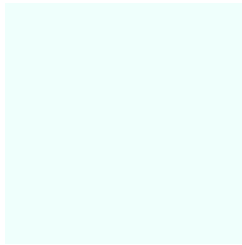
40, 75.280, 30.099



10, 32.024, 19.070

Previews

White Background



This preview shows how the CIELCh color 99, 6.253, 180.085 looks on a white background.

Color Contrast Check

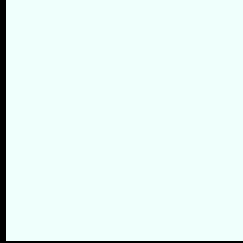
Large Text (above 18pt) WCAG AA × Fail

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, 6.253, 180.085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

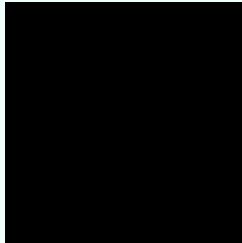
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 6.253, 180.085

Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.253, 180.085.

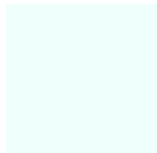


This preview shows how white text looks on a background with the CIELCh color 99, 6.253, 180.085.

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, 5.760, 183.761



Protanopia

99, 1.759, 19.148

Deuteranopia

99, 2.044, 349.329

Tritanopia
99, 2.071, 280.717

Trichromacy



A vertical bar on the left side of the Trichromacy section, divided into four segments of different colors: light cyan, light blue, light green, and light yellow.

Original Color

99, 5.760, 183.761

Protanomaly

99, 1.165, 174.059

Deuteranomaly

99, 1.045, 199.967

Tritanomaly

99, 2.305, 225.839

Monochromacy



A vertical bar on the left side of the Monochromacy section, divided into three segments of different colors: light cyan, light blue, and light yellow.

Original Color

99, 5.760, 183.761

Achromatopsia

98, 0.011, 296.813

Achromatomaly

99, 2.155, 185.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 6.253, 180.085 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(239, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 6.253, 180.085 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(239, 255, 252) }
```

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

```
.border{ border-color:rgb(239, 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(239, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 6.253, 180.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 252) }
```

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

```
.background{ background-color: rgb(239,  
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](#).

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