Converting Colors

CIELCh(100, 7.590, 198.954)

Have a look what the booklet for CIELCh(100, 7.590, 198.954) contains.

Color

CIELCh(99, 6.178, 199.121)

Conversions

Conversions Part 1

Format	Color
Hex	EEFFFF
RGB	238, 255, 255
RGB Percent	93%, 100%, 100%
CMY	0.0675, 0.0000, 0.0000
CMYK	0.07, 0.00, 0.00, 0.00
HSL	180°, 100%, 97%
HSV	180°, 7%, 100%
XYZ	89.3767, 97.4360, 109.3730
YIQ	249.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

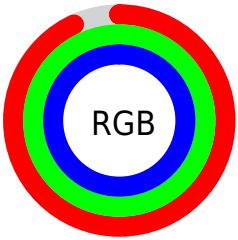
Format	Color
RYB	238, 247, 255
Decimal	15663103
CIELab	99.00, -5.84, -2.02
CIELCh	99, 6.178, 199.121
Yxy	97.4360, 0.3018, 0.3290
Android (android.graphics.Color)	4293853183 (0xFFEEFFFF)
YUV	249.9170, 2.5059, -10.4512
Hunter-Lab	98.7097, -11.1191, 3.4019

Details

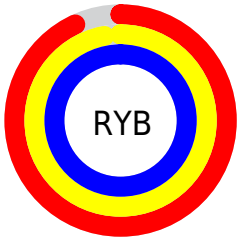
The CIELCh color 99, 6.178, 199.121 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 95, 6.172, 19.720, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 5.746, 199.061 is the 20% darker color. If you saturate the color by 10%, you get 97, 14.277, 198.554, and if you desaturate by 10%, it is 100, 0.012, 296.813.

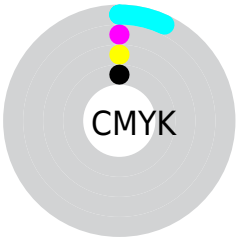
Distribution



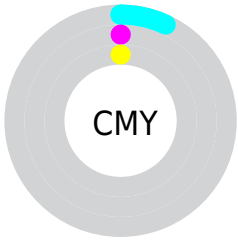
- Red (93%)
- Green (100%)
- Blue (100%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 6.178, 199.121 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, 6.178, 199.121 by changing the saturation by 10% instead.

99, 6.178, 199.121

100, 6.178, 199.121

99, 6.178, 199.121

89, 6.178, 199.121

79, 6.178, 199.121

69, 6.178, 199.121

59, 6.178, 199.121

49, 6.178, 199.121

39, 6.178, 199.121

29, 6.178, 199.121

19, 6.178, 199.121

9, 6.178, 199.121

99, 6.178, 199.121

97, 14.277, 198.554

96, 22.042, 198.059

94, 29.060, 197.627

93, 35.190, 197.258

93, 40.313, 196.954

92, 44.343, 196.719

92, 47.252, 196.550

91, 49.079, 196.446

99, 6.178, 199.121

100, 0.012, 296.813

91, 49.950, 196.396

Harmonies

Complementary

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

99, 6.178, 199.121

95, 6.172, 19.720

Rectangle

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

99, 6.178, 199.121

99, 6.178, 249.121

99, 6.178, 19.121

99, 6.178, 69.121

Sweetspot

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

99, 5.914, 199.143

100, 1.770, 199.667

98, 10.717, 144.078

53, 1.006, 199.692

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, 5.914, 199.143

99, 6.985, 199.058

97, 5.263, 256.369

52, 4.945, 198.963

70, 40.365, 196.386

24, 18.570, 196.386

Inverse Universe

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

96, 10.738, 324.786

95, 12.733, 324.860

97, 5.338, 74.511

50, 9.057, 324.947

45, 93.083, 328.233

12, 42.823, 328.233

Previews

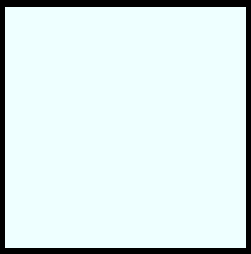
White Background

This preview shows how the CIELCh color 99, 6.178, 199.121 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



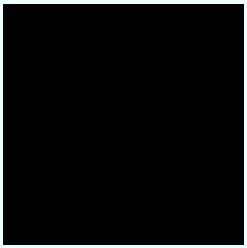
This preview shows how the CIELCh color 99, 6.178, 199.121 looks on a black background.

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, 6.178, 199.121 Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.178, 199.121.

This preview shows how white text looks on a background with the CIELCh color 99, 6.178, 199.121.

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, 5.840, 199.149

Protanopia
99, 2.044, 349.329

Deuteranopia
99, 2.044, 349.329

Tritanopia
99, 2.071, 280.717

Trichromacy

Original Color
99, 5.840, 199.149

Protanomaly
99, 1.159, 226.031

Deuteranomaly
99, 1.159, 226.031

Tritanomaly
99, 2.563, 236.219

Monochromacy

Original Color
99, 5.840, 199.149

Achromatopsia
98, 0.011, 296.813

Achromatomaly
99, 2.086, 199.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 6.178, 199.121 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(238, 255, 255) looks like.

```
.text, #text, p{
    color:rgb(238, 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(238, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 6.178, 199.121 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(238, 255, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 255, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 255, 255); box-shadow:4px 4px 4px 4px rgb(238, 255, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 6.178, 199.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(238, 255, 255) }
```

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

```
.background{ background-color:rgb(238,
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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