

Converting Colors

CIELCh(100, 10.288, 158.323)

Have a look what the booklet for
CIELCh(100, 10.288, 158.323)
contains.

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Color

CIELCh(99, 7.232, 164.766)

Conversions

Conversions Part 1

Format	Color
Hex	EFFFF8
RGB	239, 255, 248
RGB Percent	94%, 100%, 97%
CMY	0.0621, 0.0000, 0.0268
CMYK	0.06, 0.00, 0.03, 0.00
HSL	154°, 100%, 97%
HSV	154°, 6%, 100%
XYZ	88.7538, 97.4360, 103.0700
YIQ	249.4180, -7.2890, -5.5690

Conversions

Conversions Part 2

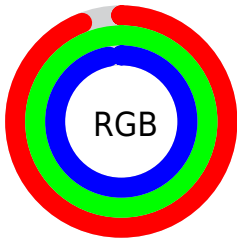
Format	Color
R _Y B	239, 249, 255
Decimal	15728632
CIE Lab	99.00, -6.98, 1.90
CIE LCh	99, 7.232, 164.766
Yxy	97.4360, 0.3068, 0.3368
Android (android.graphics.Color)	4293918712 (0xFFEFFFF8)
YUV	249.4180, -0.6991, -9.1366
Hunter-Lab	98.7097, -12.2456, 7.1877

Details

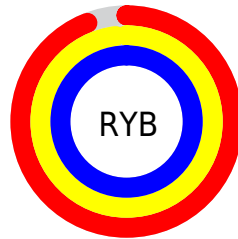
The CIELCh color **99, 7.232, 164.766** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96, 6.639, 347.992**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 6.376, 168.814** is the 20% darker color. If you saturate the color by 10%, you get **97, 17.082, 166.069**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

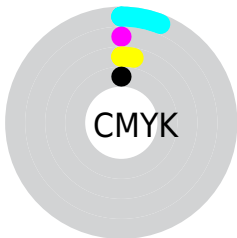
Distribution



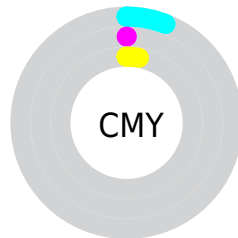
- Red (94%)
- Green (100%)
- Blue (97%)



- Red (94%)
- Yellow (98%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 7.232, 164.766 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, 7.232, 164.766 by changing the saturation by 10% instead.

 99, 7.232, 164.766

 99, 7.232, 164.766

 100, 7.232,
164.766

 89, 7.232, 164.766

 79, 7.232, 164.766

 69, 7.232, 164.766

 59, 7.232, 164.766

 49, 7.232, 164.766

 39, 7.232, 164.766

 29, 7.232, 164.766

 19, 7.232, 164.766

 9, 7.232, 164.766

99, 7.232, 164.766

99, 7.232, 164.766

97, 17.082,
166.069

100, 0.012,
296.813

95, 27.434,
165.021

94, 37.453,
163.863

92, 46.962,
162.568

91, 55.780,
161.108

90, 63.744,
159.459

90, 70.736,
157.600

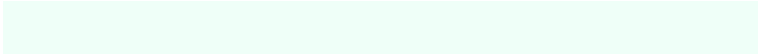
89, 76.715,
155.522

 89, 81.741,
153.245

Harmonies

Complementary

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



99, 7.232, 164.766



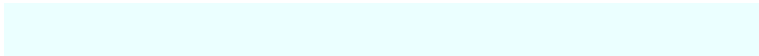
96, 6.639, 347.992

Rectangle

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



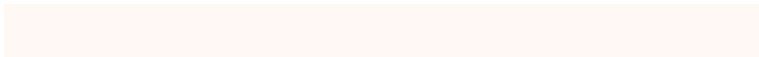
99, 7.232, 164.766



99, 7.232, 214.766



99, 7.232, 344.766



99, 7.232, 34.766

Sweetspot

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



99, 6.557, 167.057



100, 2.106, 167.594



99, 8.673, 131.119



53, 1.197, 167.616



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

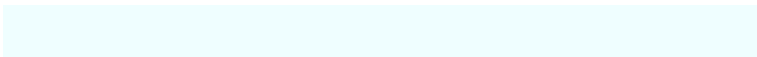
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 6.557, 167.057



99, 7.390, 166.977



99, 5.103, 205.276



52, 4.802, 166.917



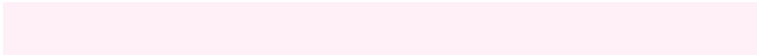
68, 66.682, 152.809



23, 28.888, 156.034

Inverse Universe

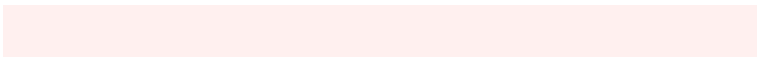
The Inverse Universe completely reimagines the original color for something new.



96, 6.639, 347.992



95, 7.489, 348.073



96, 5.311, 25.458



50, 4.870, 348.134



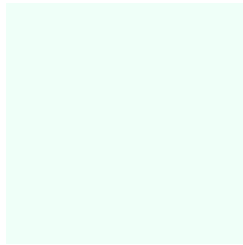
41, 68.053, 8.750



10, 31.396, 2.137

Previews

White Background



This preview shows how the CIELCh color 99, 7.232, 164.766 looks on a white background.

Color Contrast Check

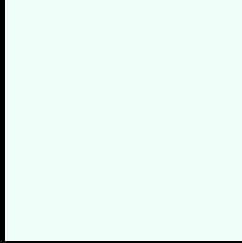
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 99, 7.232, 164.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

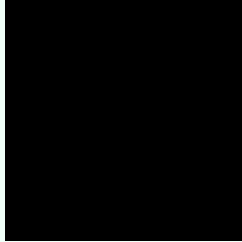
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

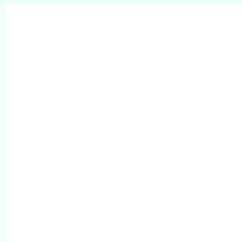
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 99, 7.232, 164.766

Background



This preview shows how black text looks on a background with the CIELCh color 99, 7.232, 164.766.

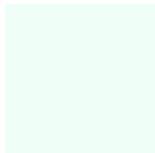


This preview shows how white text looks on a background with the CIELCh color 99, 7.232, 164.766.

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, 6.651, 166.693



Protanopia

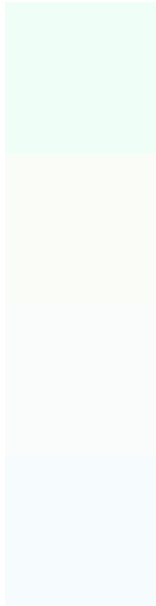
99, 2.316, 60.313

Deuteranopia

99, 1.838, 3.095

Tritanopia
99, 2.071, 280.717

Trichromacy



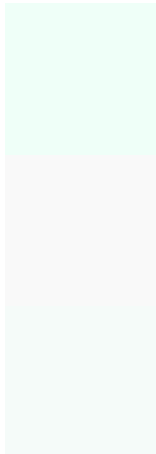
Original Color
99, 6.651, 166.693

Protanomaly
99, 2.755, 132.467

Deuteranomaly
99, 1.463, 155.866

Tritanomaly
99, 2.138, 213.377

Monochromacy



Original Color
99, 6.651, 166.693

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 2.337, 173.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 7.232, 164.766 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 7.232, 164.766 is called "border". The border property can be set on classes, ids or directly on the HTML element.

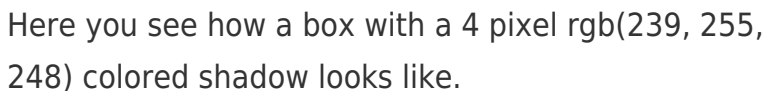
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 255, 248) }
```

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

```
.border{ border-color:rgb(239, 255, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 255, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 255, 248); box-shadow:4px 4px 4px 4px rgb(239, 255, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 7.232, 164.766 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, 248) }
```

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

```
.background{ background-color: rgb(239,  
255, 248) }
```

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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