

Converting Colors

CIELCh(100, 17.776, 120.875)

Have a look what the booklet for
CIELCh(100, 17.776, 120.875)
contains.

CIELCh(99, 15.360, 117.190)	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, 15.360, 117.190)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFE1
RGB	249, 255, 225
RGB Percent	98%, 100%, 88%
CMY	0.0220, 0.0000, 0.1162
CMYK	0.02, 0.00, 0.12, 0.00
HSL	71°, 100%, 94%
HSV	71°, 12%, 100%
XYZ	88.7316, 97.4360, 85.6364
YIQ	249.7860, 6.0540, -10.6020

Conversions

Conversions Part 2

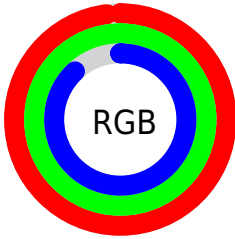
Format	Color
R_{YB}	225, 255, 231
Decimal	16383969
CIE _{Lab}	99.00, -7.02, 13.66
CIE _{LCh}	99, 15.360, 117.190
Yxy	97.4360, 0.3265, 0.3585
Android (android.graphics.Color)	4294574049 (0xFFFF9FFE1)
YUV	249.7860, -12.2195, -0.6893
Hunter-Lab	98.7097, -12.2857, 17.6593

Details

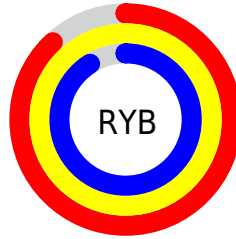
The CIELCh color **99, 15.360, 117.190** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 15.536, 298.455**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 15.054, 117.612** is the 20% darker color. If you saturate the color by 10%, you get **98, 28.107, 116.067**, and if you desaturate by 10%, it is **100, 2.099, 117.481**.

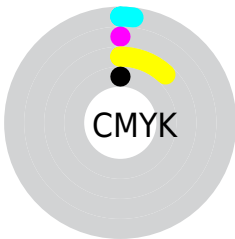
Distribution



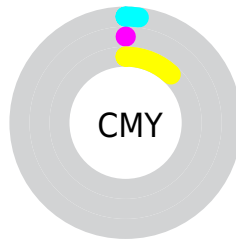
- Red (98%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 15.360, 117.190 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, 15.360, 117.190 by changing the saturation by 10% instead.


 99, 15.360,
117.190


 99, 15.360,
117.190


 100, 15.360,
117.190


 89, 15.360,
117.190

 79, 15.360,
117.190

 69, 15.360,
117.190

 59, 15.360,
117.190

 49, 15.360,
117.190

 39, 15.360,
117.190

 29, 15.360,

117.190

■ 19, 15.360,
117.190

■ 9, 15.360, 117.190

■ 99, 15.360,
117.190

■ 99, 15.360,
117.190

■ 98, 28.107,
116.067

■ 100, 2.099,
117.481

■ 97, 40.872,
115.360

■ 100, 0.012,
296.813

■ 97, 53.280,
114.685

■ 96, 65.088,
114.078

■ 95, 75.931,
113.597

■ 95, 85.296,
113.317

■ 94, 92.569,
113.331

■ 94, 97.239,
113.723

■ 94, 99.296,
114.332

Harmonies

Complementary

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



99, 15.360, 117.190



91, 15.536, 298.455

Rectangle

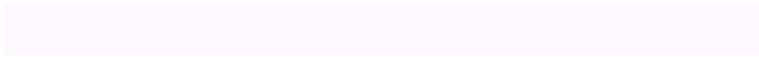
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 15.360, 117.190



99, 15.360, 167.190



99, 15.360, 297.190



99, 15.360, 347.190

Sweetspot

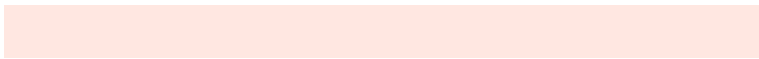
The Sweet Spot groups the original color and five complimentary colors.



99, 15.148, 116.779



100, 3.908, 117.383



93, 9.269, 37.377



53, 2.965, 117.327



0, 0.000, 0.000



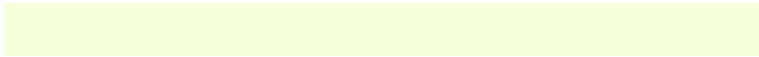
53, 0.007, 296.813

Same Dimension

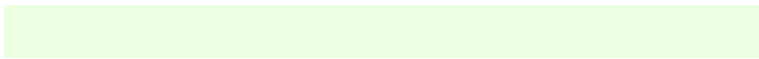
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 15.148, 116.779



99, 18.250, 116.610



98, 16.768, 134.710



53, 7.416, 116.928



72, 79.917, 114.149



25, 36.112, 113.185

Inverse Universe

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



91, 15.536, 298.455



89, 18.811, 298.653



92, 16.937, 315.682



49, 7.575, 298.286



24, 106.321, 307.156



4, 44.537, 305.344

Previews

White Background



This preview shows how the CIELCh color 99, 15.360, 117.190 looks on a white background.

Color Contrast Check

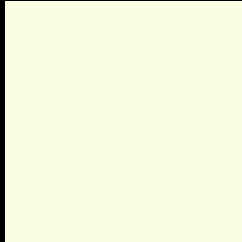
Large Text (above 18pt) WCAG AA × Fail

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, 15.360, 117.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

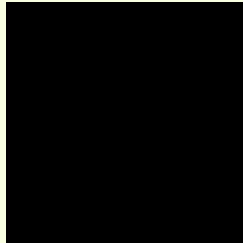
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 15.360, 117.190

Background



This preview shows how black text looks on a background with the CIELCh color 99, 15.360, 117.190.



This preview shows how white text looks on a background with the CIELCh color 99, 15.360, 117.190.

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, 15.360, 117.190



Protanopia
99, 4.181, 95.099

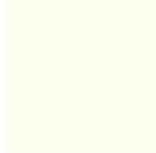
Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.171, 309.072

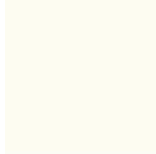
Trichromacy



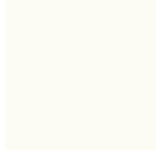
Original Color
99, 15.360, 117.190



Protanomaly
99, 8.111, 109.557



Deuteranomaly
99, 5.586, 106.089

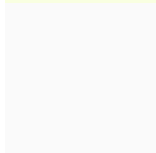


Tritanomaly
99, 4.055, 109.853

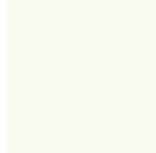
Monochromacy



Original Color
99, 15.360, 117.190



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 5.633, 116.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 15.360, 117.190 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(249, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 225)  
}
```

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(249, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 15.360, 117.190 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(249, 255, 225) }
```

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

```
.border{ border-color:rgb(249, 255, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(249, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 15.360, 117.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 225) }
```

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

```
.background{ background-color: rgb(249,  
255, 225) }
```

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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