

Converting Colors

CIELCh(95, 12.854, 109.167)

Have a look what the booklet for
CIELCh(95, 12.854, 109.167)
contains.

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Color

CIELCh(95, 12.777, 109.173)

Conversions

Conversions Part 1

Format	Color
Hex	F2F2D9
RGB	242, 242, 217
RGB Percent	95%, 95%, 85%
CMY	0.0499, 0.0499, 0.1480
CMYK	0.00, 0.00, 0.10, 0.05
HSL	60°, 50%, 90%
HSV	60°, 10%, 95%
XYZ	81.1066, 87.6183, 78.4677
YIQ	239.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

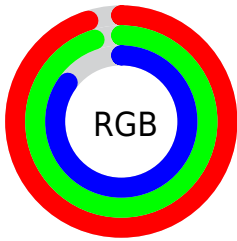
Format	Color
R _Y B	217, 242, 217
Decimal	15921881
CIE Lab	95.00, -4.20, 12.07
CIE LCh	95, 12.777, 109.173
Yxy	87.6183, 0.3281, 0.3545
Android (android.graphics.Color)	4294111961 (0xFFFF2F2D9)
YUV	239.1500, -10.9200, 2.4994
Hunter-Lab	93.6047, -9.1415, 15.8211

Details

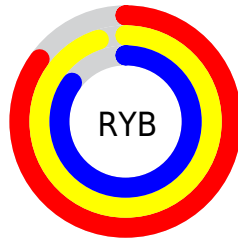
The CIELCh color **95, 12.777, 109.173** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 13.090, 291.269**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 12.881, 108.943** is the 20% darker color. If you saturate the color by 10%, you get **95, 25.085, 108.206**, and if you desaturate by 10%, it is **96, 0.389, 109.963**.

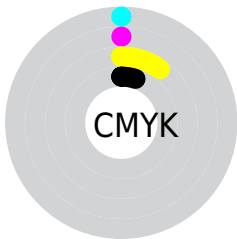
Distribution



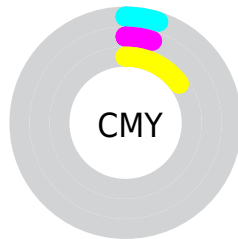
- Red (95%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (5%)
- Magenta (5%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 12.777, 109.173 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 95, 12.777, 109.173 by changing the saturation by 10% instead.


 95, 12.777,
109.173


 95, 12.777,
109.173


 100, 12.777,
109.173


 85, 12.777,
109.173

 75, 12.777,
109.173

 65, 12.777,
109.173

 55, 12.777,
109.173

 45, 12.777,
109.173

 35, 12.777,
109.173

 25, 12.777,

109.173

■ 15, 12.777,
109.173

■ 5, 12.777, 109.173

■ 95, 12.777,
109.173

■ 95, 12.777,
109.173

■ 95, 25.085,
108.206

■ 96, 0.389, 109.963

■ 94, 37.212,
107.235

■ 96, 6.528, 290.702

■ 96, 6.528, 290.715

■ 94, 49.015,
106.288

■ 96, 6.528, 290.728

■ 93, 60.268,
105.391

■ 96, 6.528, 290.741

■ 96, 6.528, 290.754

■ 93, 70.628,
104.577

■ 96, 6.528, 290.767

■ 93, 79.608,
103.883

■ 96, 6.528, 290.780

■ 93, 86.617,
103.353

■ 96, 6.528, 290.793

■ 93, 91.133,
103.017

■ 93, 93.227,
102.863

Harmonies

Complementary

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



95, 12.777, 109.173



87, 13.090, 291.269

Rectangle

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



95, 12.777, 109.173



95, 12.777, 159.173



95, 12.777, 289.173



95, 12.777, 339.173

Sweetspot

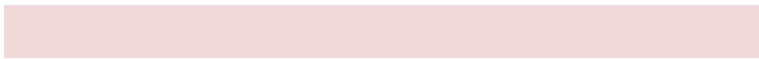
The Sweet Spot groups the original color and five complimentary colors.



95, 12.779, 109.181



100, 3.868, 109.876



89, 9.180, 20.007



53, 2.934, 109.803



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



95, 12.779, 109.181



99, 15.481, 109.015



94, 13.626, 128.618



51, 7.096, 109.261



73, 76.500, 102.863



24, 33.186, 103.188

Inverse Universe

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



87, 13.090, 291.269



90, 15.916, 291.466



88, 13.829, 309.526



47, 7.256, 291.176



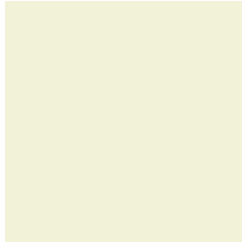
22, 105.633, 306.288



3, 39.906, 299.774

Previews

White Background



This preview shows how the CIELCh color 95, 12.777, 109.173 looks on a white background.

Color Contrast Check

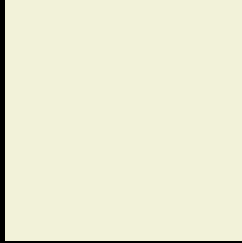
Large Text (above 18pt) WCAG AA × Fail

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 95, 12.777, 109.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

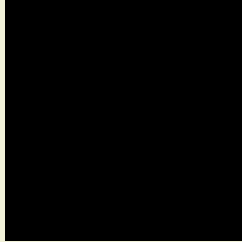
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

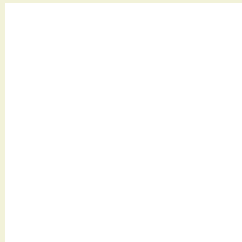
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 12.777, 109.173

Background



This preview shows how black text looks on a background with the CIELCh color 95, 12.777, 109.173.

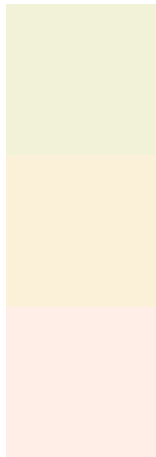


This preview shows how white text looks on a background with the CIELCh color 95, 12.777, 109.173.

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](#).

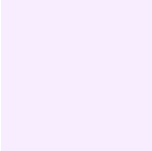
Dichromacy



Original Color
95, 12.777, 109.173

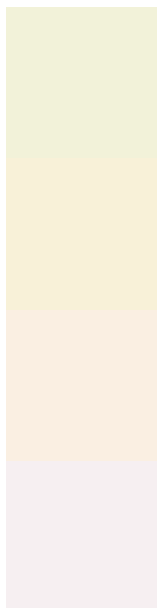
Protanopia
95, 12.919, 90.855

Deuteranopia
95, 7.197, 44.927



Tritanopia
95, 10.060, 313.130

Trichromacy



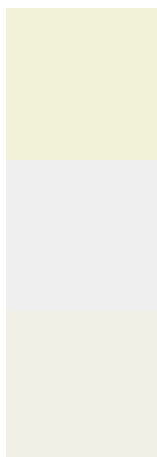
Original Color
95, 12.777, 109.173

Protanomaly
95, 13.026, 97.735

Deuteranomaly
95, 7.747, 78.530

Tritanomaly
95, 2.698, 357.012

Monochromacy



Original Color
95, 12.777, 109.173

Achromatopsia
94, 0.011, 296.813

Achromatomaly
95, 4.606, 109.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 12.777, 109.173 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, 242, 217)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 217)  
}
```

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, 242, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 12.777, 109.173 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, 242, 217) }
```

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

```
.border{ border-color:rgb(242, 242, 217) }
```

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

Here you see how a box with a 4 pixel rgb(242, 242, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 12.777, 109.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 217) }
```

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

```
.background{ background-color: rgb(242,  
242, 217) }
```

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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