

Converting Colors

CIELCh(96, 13.610, 108.743)

Have a look what the booklet for
CIELCh(96, 13.610, 108.743)
contains.

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Color

CIElCh(96, 13.257, 109.145)

Conversions

Conversions Part 1

Format	Color
Hex	F5F5DB
RGB	245, 245, 219
RGB Percent	96%, 96%, 86%
CMY	0.0384, 0.0384, 0.1404
CMYK	0.00, 0.00, 0.11, 0.04
HSL	60°, 57%, 91%
HSV	60°, 11%, 96%
XYZ	83.2591, 90.0078, 80.1450
YIQ	242.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

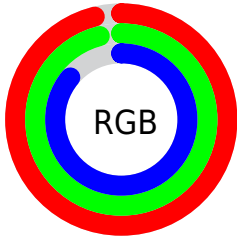
Format	Color
R _{YB}	219, 245, 219
Decimal	16119259
CIE Lab	96.00, -4.35, 12.52
CIE LCh	96, 13.257, 109.145
Yxy	90.0078, 0.3286, 0.3552
Android (android.graphics.Color)	4294309339 (0xFFFF5F5DB)
YUV	242.0360, -11.3567, 2.5994
Hunter-Lab	94.8724, -9.3770, 16.3245

Details

The CIELCh color **96, 13.257, 109.145** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **88, 13.590, 291.302**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 13.377, 108.911** is the 20% darker color. If you saturate the color by 10%, you get **96, 25.682, 108.177**, and if you desaturate by 10%, it is **97, 0.749, 110.027**.

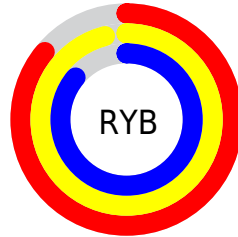
Distribution



Red (96%)

Green (96%)

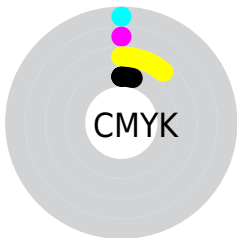
Blue (86%)



Red (86%)

Yellow (96%)

Blue (86%)

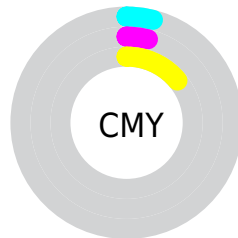


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 13.257, 109.145 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 96, 13.257, 109.145 by changing the saturation by 10% instead.


 96, 13.257,
109.145


 96, 13.257,
109.145


 100, 13.257,
109.145


 86, 13.257,
109.145

 76, 13.257,
109.145

 66, 13.257,
109.145

 56, 13.257,
109.145

 46, 13.257,
109.145

 36, 13.257,
109.145

 26, 13.257,

109.145

■ 16, 13.257,
109.145

■ 6, 13.257, 109.145

■ 96, 13.257,
109.145

■ 96, 13.257,
109.145

■ 96, 25.682,
108.177

■ 97, 0.749, 110.027

■ 95, 37.920,
107.206

■ 97, 5.013, 290.590

■ 97, 5.013, 290.607

■ 95, 49.827,
106.259

■ 97, 5.013, 290.625

■ 94, 61.168,
105.364

■ 97, 5.013, 290.642

■ 97, 5.013, 290.659

■ 94, 71.593,
104.552

■ 97, 5.013, 290.677

■ 94, 80.606,
103.863

■ 97, 5.013, 290.694

■ 94, 87.607,
103.338

■ 97, 5.013, 290.711

■ 94, 92.076,
103.009

■ 94, 94.080,
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.



96, 13.257, 109.145



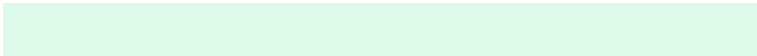
88, 13.590, 291.302

Rectangle

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



96, 13.257, 109.145



96, 13.257, 159.145



96, 13.257, 289.145



96, 13.257, 339.145

Sweetspot

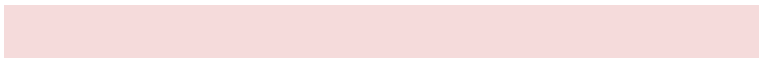
The Sweet Spot groups the original color and five complimentary colors.



96, 13.259, 109.153



100, 3.868, 109.876



90, 9.536, 20.030



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.



96, 13.259, 109.153



99, 16.767, 108.917



95, 14.140, 128.604



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.



88, 13.590, 291.302



89, 17.277, 291.584



89, 14.355, 309.540



47, 7.256, 291.176



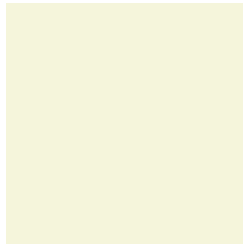
22, 105.633, 306.288



3, 39.906, 299.774

Previews

White Background



This preview shows how the CIELCh color 96, 13.257, 109.145 looks on a white background.

Color Contrast Check

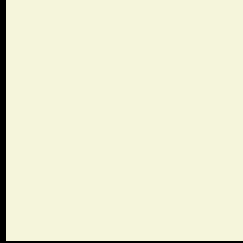
Large Text (above 18pt) WCAG AA × Fail

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 96, 13.257, 109.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

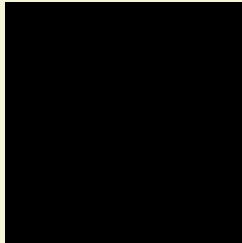
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

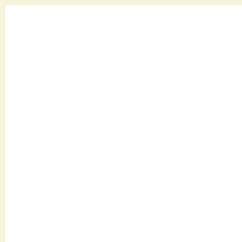
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 13.257, 109.145

Background



This preview shows how black text looks on a background with the CIELCh color 96, 13.257, 109.145.

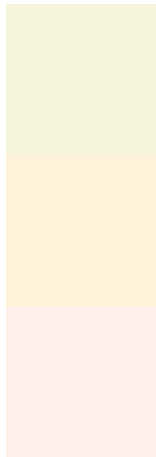


This preview shows how white text looks on a background with the CIELCh color 96, 13.257, 109.145.

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
96, 13.257, 109.145

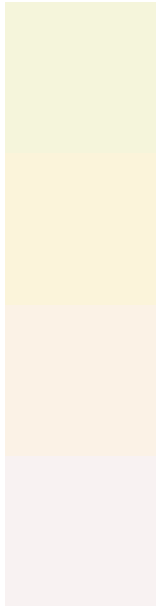
Protanopia
96, 13.375, 91.499

Deuteranopia
96, 5.754, 40.409



Tritanopia
96, 8.350, 312.708

Trichromacy



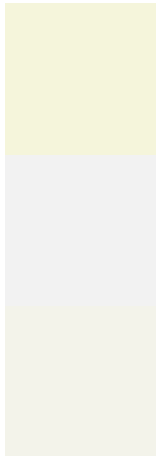
Original Color
96, 13.257, 109.145

Protanomaly
96, 13.497, 98.125

Deuteranomaly
96, 6.921, 81.620

Tritanomaly
96, 2.126, 19.247

Monochromacy



Original Color
96, 13.257, 109.145

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 4.595, 109.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 13.257, 109.145 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(245, 245, 219)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 219)  
}
```

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(245, 245, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 13.257, 109.145 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(245, 245, 219) }
```

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

```
.border{ border-color:rgb(245, 245, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 219);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 13.257, 109.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 219) }
```

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

```
.background{ background-color: rgb(245,  
245, 219) }
```

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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