

Converting Colors

CIELCh(96, 9.891, 108.659)

Have a look what the booklet for
CIELCh(96, 9.891, 108.659) contains.

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Color

CIELCh(96, 10.201, 109.382)

Conversions

Conversions Part 1

Format	Color
Hex	F5F5E1
RGB	245, 245, 225
RGB Percent	96%, 96%, 88%
CMY	0.0399, 0.0399, 0.1183
CMYK	0.00, 0.00, 0.08, 0.04
HSL	60°, 50%, 92%
HSV	60°, 8%, 96%
XYZ	83.7625, 90.0078, 84.0699
YIQ	242.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

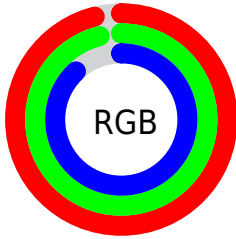
Format	Color
R _Y B	225, 245, 225
Decimal	16119265
CIE Lab	96.00, -3.39, 9.62
CIE LCh	96, 10.201, 109.382
Yxy	90.0078, 0.3249, 0.3491
Android (android.graphics.Color)	4294309345 (0xFFFF5F5E1)
YUV	242.7200, -8.7360, 1.9996
Hunter-Lab	94.8724, -8.4297, 13.8717

Details

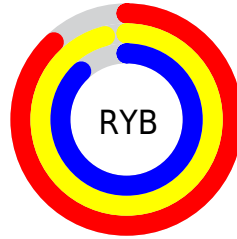
The CIELCh color **96, 10.201, 109.382** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 10.406, 291.034**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 10.173, 109.215** is the 20% darker color. If you saturate the color by 10%, you get **95, 22.638, 108.419**, and if you desaturate by 10%, it is **97, 2.303, 290.396**.

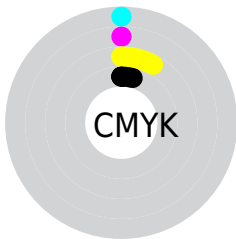
Distribution



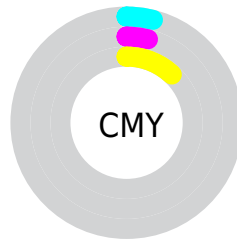
- Red (96%)
- Green (96%)
- Blue (88%)



- Red (88%)
- Yellow (96%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)





- Cyan (4%)
- Magenta (4%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 10.201, 109.382 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, 10.201, 109.382 by changing the saturation by 10% instead.


 96, 10.201,
109.382


 96, 10.201,
109.382


 100, 10.201,
109.382


 86, 10.201,
109.382

 76, 10.201,
109.382

 66, 10.201,
109.382

 56, 10.201,
109.382

 46, 10.201,
109.382

 36, 10.201,
109.382

 26, 10.201,

109.382

■ 16, 10.201,
109.382

■ 6, 10.201, 109.382

■ 96, 10.201,
109.382

■ 96, 10.201,
109.382

■ 95, 22.638,
108.419

■ 97, 2.303, 290.396

■ 95, 34.918,
107.444

■ 97, 5.211, 290.617

■ 97, 5.211, 290.640

■ 95, 46.907,
106.490

■ 97, 5.211, 290.664

■ 94, 58.399,
105.580

■ 97, 5.211, 290.688

■ 97, 5.211, 290.712

94, 69.074,
104.744

97, 5.211, 290.735

94, 78.473,
104.021

97, 5.211, 290.759

94, 86.012,
103.453

97, 5.211, 290.783

94, 91.125,
103.075

94, 93.645,
102.891

Harmonies

Complementary

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



96, 10.201, 109.382



90, 10.406, 291.034

Rectangle

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



96, 10.201, 109.382



96, 10.201, 159.382



96, 10.201, 289.382



96, 10.201, 339.382

Sweetspot

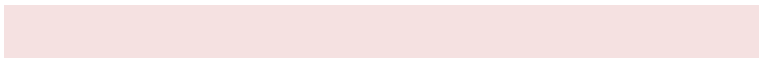
The Sweet Spot groups the original color and five complimentary colors.



96, 10.203, 109.392



100, 2.575, 109.966



91, 7.265, 19.835



53, 1.464, 109.974



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, 10.203, 109.392



99, 12.905, 109.213



95, 10.871, 128.719



51, 7.096, 109.265



73, 76.500, 102.868



24, 33.186, 103.192

Inverse Universe

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



90, 10.406, 291.034



92, 13.211, 291.239



91, 11.006, 309.422



47, 7.256, 291.179



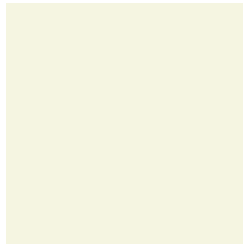
22, 105.632, 306.288



3, 39.906, 299.776

Previews

White Background



This preview shows how the CIELCh color 96, 10.201, 109.382 looks on a white background.

Color Contrast Check

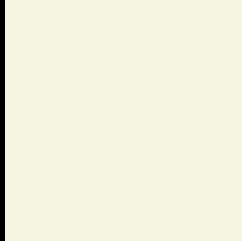
Large Text (above 18pt) WCAG AA × Fail

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, 10.201, 109.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

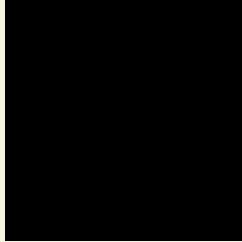
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

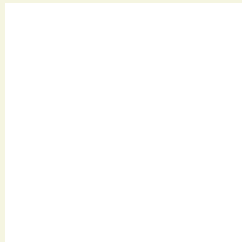
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 10.201, 109.382

Background



This preview shows how black text looks on a background with the CIELCh color 96, 10.201, 109.382.

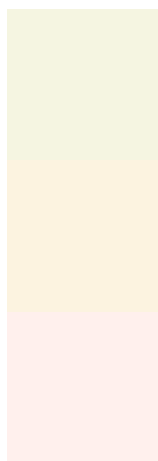


This preview shows how white text looks on a background with the CIELCh color 96, 10.201, 109.382.

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, 10.201, 109.382

Protanopia

96, 10.225, 90.652

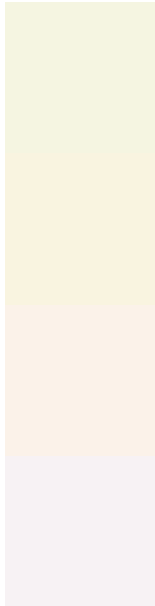
Deuteranopia

96, 5.587, 35.538



Tritanopia
96, 7.617, 309.293

Trichromacy



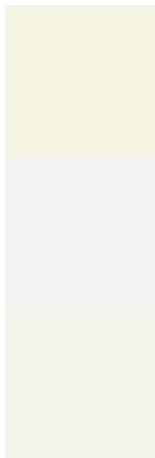
Original Color
96, 10.201, 109.382

Protanomaly
96, 10.354, 99.238

Deuteranomaly
96, 5.603, 74.464

Tritanomaly
96, 2.056, 349.342

Monochromacy



Original Color
96, 10.201, 109.382

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 4.080, 109.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 10.201, 109.382 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 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(245, 245, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 10.201, 109.382 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, 225) }
```

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

```
.border{ border-color:rgb(245, 245, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 225);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 10.201, 109.382 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, 225) }
```

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

```
.background{ background-color: rgb(245,  
245, 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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