

Converting Colors

CIELCh(96, 18.442, 108.087)

Have a look what the booklet for
CIELCh(96, 18.442, 108.087)
contains.

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Color

CIElCh(96, 18.832, 108.713)

Conversions

Conversions Part 1

Format	Color
Hex	F6F6D1
RGB	246, 246, 209
RGB Percent	96%, 96%, 82%
CMY	0.0358, 0.0357, 0.1808
CMYK	0.00, 0.00, 0.15, 0.04
HSL	60°, 67%, 89%
HSV	60°, 15%, 96%
XYZ	82.3777, 90.0078, 73.2774
YIQ	241.7820, 11.8770, -11.5070

Conversions

Conversions Part 2

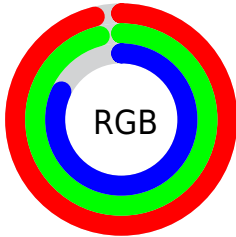
Format	Color
R _Y B	209, 246, 209
Decimal	16185041
CIE Lab	96.00, -6.04, 17.84
CIE LCh	96, 18.832, 108.713
Yxy	90.0078, 0.3353, 0.3664
Android (android.graphics.Color)	4294375121 (0xFFFF6F6D1)
YUV	241.7820, -16.1615, 3.6992
Hunter-Lab	94.8724, -11.0353, 20.6164

Details

The CIELCh color **96, 18.832, 108.713** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **85, 19.498, 291.827**, 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 **76, 19.217, 109.537** is the 20% darker color. If you saturate the color by 10%, you get **96, 31.217, 107.742**, and if you desaturate by 10%, it is **97, 6.326, 109.686**.

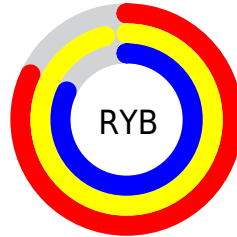
Distribution



Red (96%)

Green (96%)

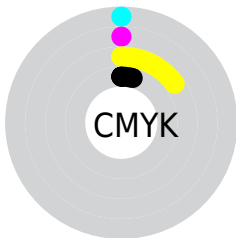
Blue (82%)



Red (82%)

Yellow (96%)

Blue (82%)

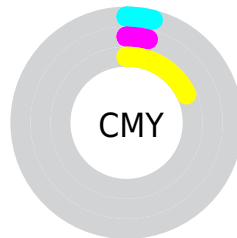


Cyan (0%)

Magenta (0%)

Yellow (15%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 18.832, 108.713 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, 18.832, 108.713 by changing the saturation by 10% instead.


 96, 18.832,
108.713


 96, 18.832,
108.713


 100, 18.832,
108.713


 86, 18.832,
108.713

 76, 18.832,
108.713

 66, 18.832,
108.713

 56, 18.832,
108.713

 46, 18.832,
108.713

 36, 18.832,
108.713

 26, 18.832,

108.713

■ 16, 18.832,
108.713

■ 6, 18.832, 108.713

■ 96, 18.832,
108.713

■ 96, 18.832,
108.713

■ 96, 31.217,
107.742

■ 97, 6.326, 109.686

■ 95, 43.357,
106.779

■ 97, 4.668, 290.556

■ 97, 4.668, 290.572

■ 95, 55.073,
105.852

■ 97, 4.668, 290.587

■ 95, 66.082,
104.989

■ 97, 4.668, 290.603

■ 97, 4.668, 290.619

■ 94, 75.970,
104.226

■ 97, 4.668, 290.634

■ 94, 84.182,
103.605

■ 97, 4.668, 290.650

■ 94, 90.116,
103.165

■ 97, 4.668, 290.666

■ 94, 93.396,
102.925

■ 94, 94.275,
102.861

Harmonies

Complementary

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



96, 18.832, 108.713



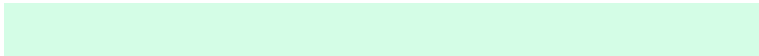
85, 19.498, 291.827

Rectangle

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



96, 18.832, 108.713



96, 18.832, 158.713



96, 18.832, 288.713



96, 18.832, 338.713

Sweetspot

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



96, 18.834, 108.719



100, 6.453, 109.689



87, 13.802, 20.398



53, 4.403, 109.623



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

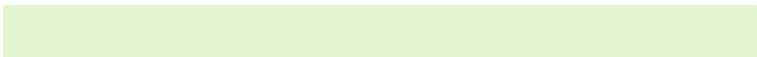
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 18.834, 108.719



99, 23.180, 108.427



95, 20.119, 128.393



51, 7.096, 109.260



73, 76.500, 102.861



24, 33.186, 103.186

Inverse Universe

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



85, 19.498, 291.827



85, 24.169, 292.204



86, 20.540, 309.759



47, 7.256, 291.175



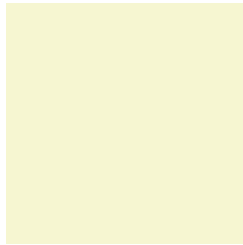
22, 105.633, 306.288



3, 39.906, 299.773

Previews

White Background



This preview shows how the CIELCh color 96, 18.832, 108.713 looks on a white background.

Color Contrast Check

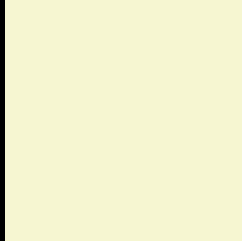
Large Text (above 18pt) WCAG AA × Fail

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, 18.832, 108.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

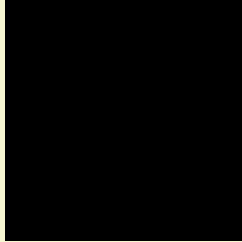
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

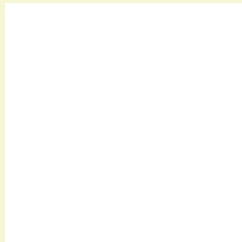
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 18.832, 108.713

Background



This preview shows how black text looks on a background with the CIELCh color 96, 18.832, 108.713.

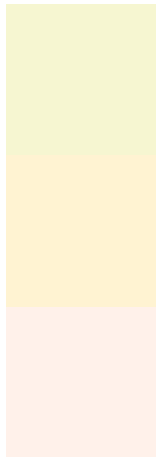


This preview shows how white text looks on a background with the CIELCh color 96, 18.832, 108.713.

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, 18.832, 108.713

Protanopia

96, 17.410, 93.928

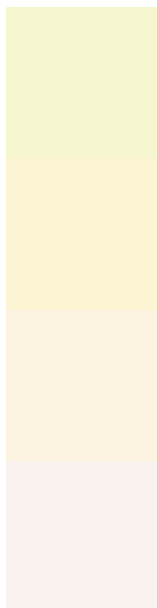
Deuteranopia

96, 6.168, 54.948



Tritanopia
96, 8.640, 317.002

Trichromacy



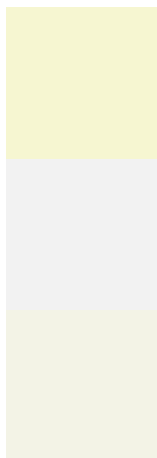
Original Color
96, 18.832, 108.713

Protanomaly
96, 17.574, 99.048

Deuteranomaly
96, 9.740, 89.752

Tritanomaly
96, 3.208, 58.877

Monochromacy



Original Color
96, 18.832, 108.713

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 6.640, 109.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 18.832, 108.713 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(246, 246, 209)` looks like.

```
.text, #text, p{  
    color:rgb(246, 246, 209)  
}
```

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(246, 246, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 246, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 18.832, 108.713 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(246, 246, 209) }
```

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

```
.border{ border-color:rgb(246, 246, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 246, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 246, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 246, 209);  
box-shadow:4px 4px 4px 4px rgb(246, 246,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 18.832, 108.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 246, 209) }
```

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

```
.background{ background-color: rgb(246,  
246, 209) }
```

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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