

Converting Colors

CIELCh(96, 0.997, 100.724)

Have a look what the booklet for
CIELCh(96, 0.997, 100.724) contains.

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Color

CIELCh(96, 1.012, 110.026)

Conversions

Conversions Part 1

Format	Color
Hex	F4F4F2
RGB	244, 244, 242
RGB Percent	96%, 96%, 95%
CMY	0.0447, 0.0447, 0.0525
CMYK	0.00, 0.00, 0.01, 0.04
HSL	60°, 8%, 95%
HSV	60°, 1%, 96%
XYZ	85.3656, 90.0078, 96.5626
YIQ	243.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

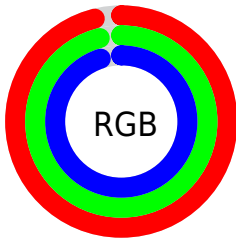
Format	Color
RYB	242, 244, 242
Decimal	16053490
CIELab	96.00, -0.35, 0.95
CIELCh	96, 1.012, 110.026
Yxy	90.0078, 0.3139, 0.3310
Android (android.graphics.Color)	4294243570 (0xFFFF4F4F2)
YUV	243.7720, -0.8736, 0.2000
Hunter-Lab	94.8724, -5.4136, 6.0644

Details

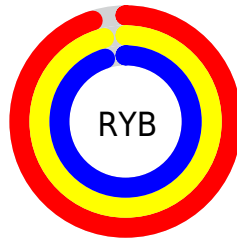
The CIELCh color **96, 1.012, 110.026** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95, 1.038, 290.412**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 1.065, 110.020** is the 20% darker color. If you saturate the color by 10%, you get **95, 13.457, 109.213**, and if you desaturate by 10%, it is **96, 5.845, 290.798**.

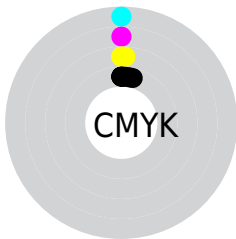
Distribution



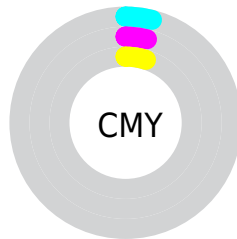
- Red (96%)
- Green (96%)
- Blue (95%)



- Red (95%)
- Yellow (96%)
- Blue (95%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 1.012, 110.026 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, 1.012, 110.026 by changing the saturation by 10% instead.

96, 1.012, 110.026

96, 1.012, 110.026

100, 1.012,
110.026

86, 1.012, 110.026

76, 1.012, 110.026

66, 1.012, 110.026

56, 1.012, 110.026

46, 1.012, 110.026

36, 1.012, 110.026

26, 1.012, 110.026

16, 1.012, 110.026

6, 1.012, 110.026

96, 1.012, 110.026

96, 1.012, 110.026

95, 13.457,
109.213

96, 5.845, 290.798

95, 25.810,
108.240

96, 5.845, 290.974

95, 37.979,
107.272

96, 5.846, 291.150

94, 49.812,
106.330

96, 5.846, 291.325

96, 5.846, 291.501

94, 61.079,
105.440

96, 5.847, 291.677

94, 71.425,
104.634

96, 5.848, 291.853

96, 5.848, 292.029

93, 80.358,
103.952

96, 5.849, 292.204

93, 87.279,
103.437

■ 93, 91.675,
103.119

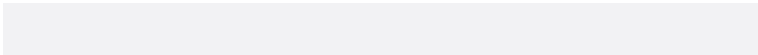
Harmonies

Complementary

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



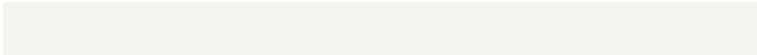
96, 1.012, 110.026



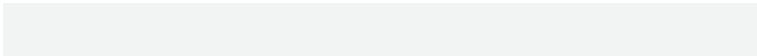
95, 1.038, 290.412

Rectangle

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



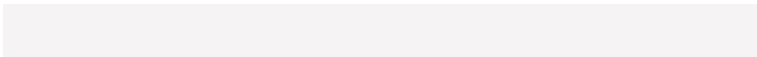
96, 1.012, 110.026



96, 1.012, 160.026



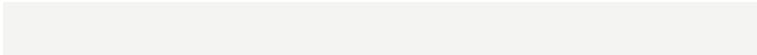
96, 1.012, 290.026



96, 1.012, 340.026

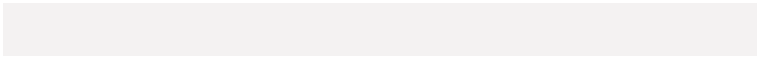
Sweetspot

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



96, 1.014, 110.111

100, 0.012, 296.813



96, 0.709, 18.555



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



96, 1.014, 110.111



100, 1.282, 110.107



96, 1.078, 129.160



51, 0.705, 110.109



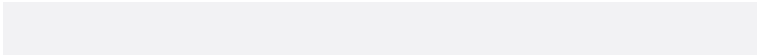
73, 76.502, 102.984



24, 33.185, 103.296

Inverse Universe

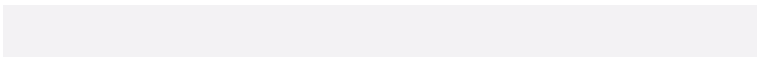
The Inverse Universe completely reimagines the original color for something new.



95, 1.038, 290.412



99, 1.308, 290.417



95, 1.101, 308.980



51, 0.719, 290.415



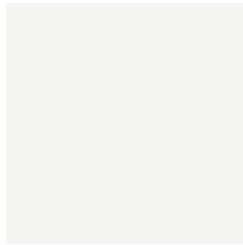
22, 105.623, 306.293



3, 39.911, 299.819

Previews

White Background



This preview shows how the CIE LCh color 96, 1.012, 110.026 looks on a white background.

Color Contrast Check

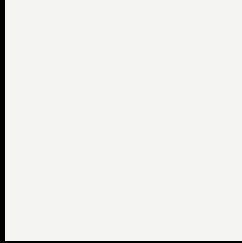
Large Text (above 18pt) WCAG AA × Fail

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 96, 1.012, 110.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

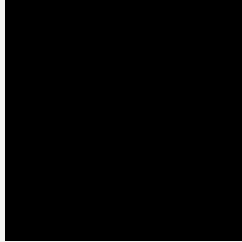
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

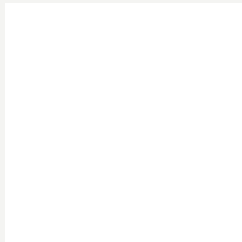
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 1.012, 110.026

Background



This preview shows how black text looks on a background with the CIELCh color 96, 1.012, 110.026.

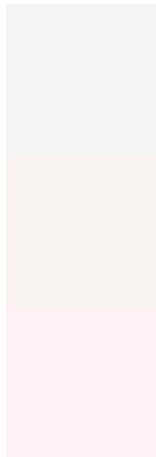


This preview shows how white text looks on a background with the CIELCh color 96, 1.012, 110.026.

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, 1.012, 110.026

Protanopia

96, 2.182, 32.792

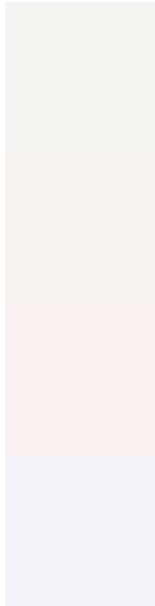
Deuteranopia

96, 5.564, 3.684



Tritanopia
96, 6.833, 302.375

Trichromacy



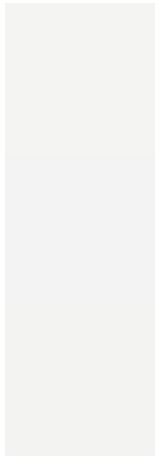
Original Color
96, 1.012, 110.026

Protanomaly
96, 1.460, 63.334

Deuteranomaly
96, 3.593, 11.294

Tritanomaly
96, 3.672, 301.414

Monochromacy



Original Color
96, 1.012, 110.026

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 0.501, 109.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 1.012, 110.026 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(244, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 242)  
}
```

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(244, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 1.012, 110.026 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(244, 244, 242) }
```

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

```
.border{ border-color:rgb(244, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 1.012, 110.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 242) }
```

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

```
.background{ background-color: rgb(244,  
244, 242) }
```

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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