

Converting Colors

CIELCh(96, 2.313, 17.962)

Have a look what the booklet for
CIELCh(96, 2.313, 17.962) contains.

CIELCh(96, 2.482, 19.314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(96, 2.482, 19.314)

Conversions

Conversions Part 1

Format	Color
Hex	F9F2F2
RGB	249, 242, 242
RGB Percent	98%, 95%, 95%
CMY	0.0237, 0.0512, 0.0512
CMYK	0.00, 0.03, 0.03, 0.02
HSL	0°, 37%, 96%
HSV	0°, 3%, 98%
XYZ	86.8010, 90.0078, 96.7586
YIQ	244.0930, 4.1720, 1.4840

Conversions

Conversions Part 2

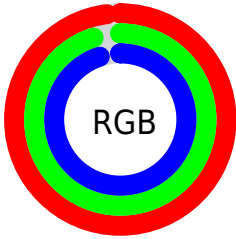
Format	Color
R_{YB}	249, 242, 242
Decimal	16380658
CIE _{Lab}	96.00, 2.34, 0.82
CIE _{LCh}	96, 2.482, 19.314
Yxy	90.0078, 0.3173, 0.3290
Android (android.graphics.Color)	4294570738 (0xFF9F2F2)
YUV	244.0930, -1.0318, 5.3034
Hunter-Lab	94.8724, -2.7130, 5.9419

Details

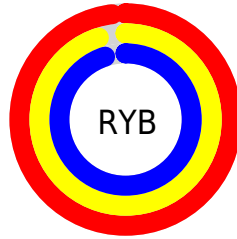
The CIELCh color **96, 2.482, 19.314** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **97, 2.435, 199.566**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 2.611, 19.417** is the 20% darker color. If you saturate the color by 10%, you get **89, 11.757, 20.258**, and if you desaturate by 10%, it is **100, 2.100, 199.588**.

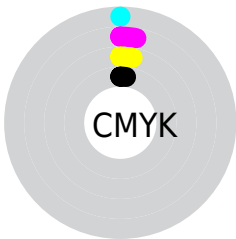
Distribution



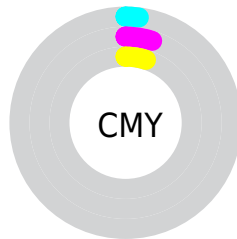
- Red (98%)
- Green (95%)
- Blue (95%)



- Red (98%)
- Yellow (95%)
- Blue (95%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (2%)



- Cyan (2%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 2.482, 19.314 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, 2.482, 19.314 by changing the saturation by 10% instead.

96, 2.482, 19.314

96, 2.482, 19.314

100, 2.482, 19.314

86, 2.482, 19.314

76, 2.482, 19.314

66, 2.482, 19.314

56, 2.482, 19.314

46, 2.482, 19.314

36, 2.482, 19.314

26, 2.482, 19.314

16, 2.482, 19.314

6, 2.482, 19.314

96, 2.482, 19.314

96, 2.482, 19.314

89, 11.757, 20.258

100, 2.100,
199.588

83, 21.778, 21.175

76, 32.533, 22.349

71, 43.940, 23.883

65, 55.812, 25.890

61, 67.840, 28.477

57, 79.590, 31.675

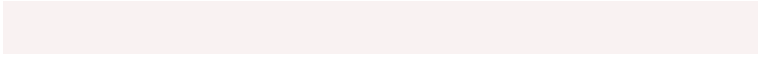
54, 90.398, 35.271

53, 98.864, 38.478

Harmonies

Complementary

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



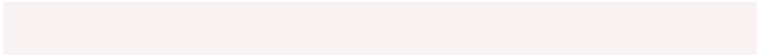
96, 2.482, 19.314



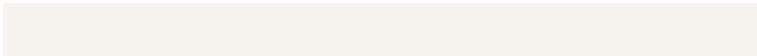
97, 2.435, 199.566

Rectangle

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



96, 2.482, 19.314



96, 2.482, 69.314



96, 2.482, 199.314



96, 2.482, 249.314

Sweetspot

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



96, 2.480, 19.364



99, 0.894, 18.778



96, 4.378, 324.528



53, 0.508, 18.736



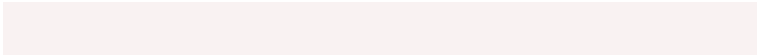
0, 0.000, 0.000



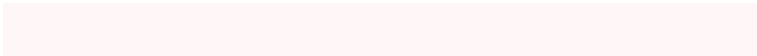
53, 0.007, 296.813

Same Dimension

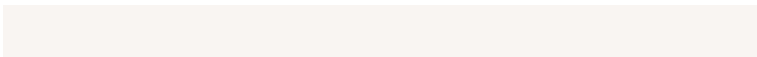
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 2.480, 19.364



98, 2.700, 19.392



97, 2.156, 74.877



51, 2.020, 19.493



39, 83.383, 40.006



9, 32.182, 26.170

Inverse Universe

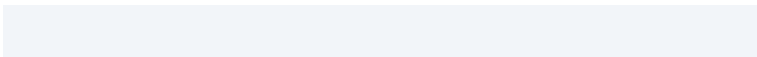
The Inverse Universe completely reimagines the original color for something new.



97, 2.435, 199.566



99, 2.648, 199.538



97, 2.158, 255.967



52, 1.971, 199.442



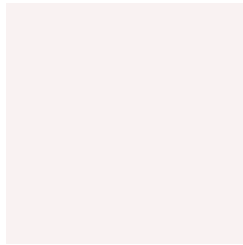
69, 39.928, 196.479



23, 18.067, 196.468

Previews

White Background



This preview shows how the CIE LCh color 96, 2.482, 19.314 looks on a white background.

Color Contrast Check

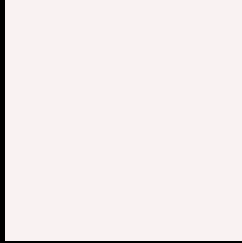
Large Text (above 18pt) WCAG AA × Fail

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, 2.482, 19.314 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

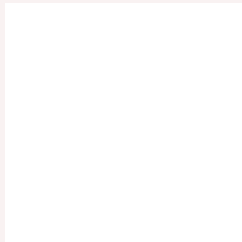
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 2.482, 19.314

Background



This preview shows how black text looks on a background with the CIELCh color 96, 2.482, 19.314.

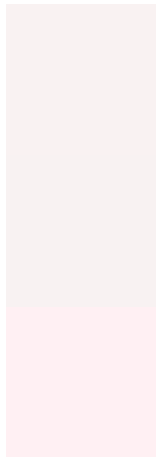


This preview shows how white text looks on a background with the CIELCh color 96, 2.482, 19.314.

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, 2.482, 19.314

Protanopia

96, 2.126, 19.247

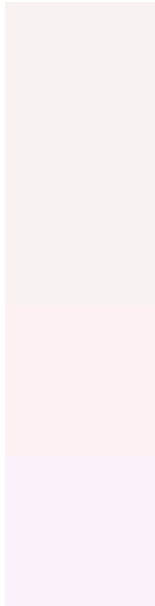
Deuteranopia

96, 5.564, 3.684



Tritanopia
96, 8.489, 314.890

Trichromacy



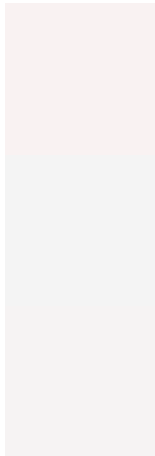
Original Color
96, 2.482, 19.314

Protanomaly
96, 2.126, 19.247

Deuteranomaly
96, 4.393, 6.108

Tritanomaly
96, 5.625, 324.586

Monochromacy



Original Color
96, 2.482, 19.314

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 1.060, 18.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 2.482, 19.314 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(249, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(249, 242, 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(249, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 242, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 2.482, 19.314 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(249, 242, 242) }
```

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

```
.border{ border-color:rgb(249, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(249, 242,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 2.482, 19.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 242, 242) }
```

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

```
.background{ background-color: rgb(249,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor