

Converting Colors

CIELCh(96, 1.751, 19.010)

Have a look what the booklet for
CIELCh(96, 1.751, 19.010) contains.

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Color

CIELCh(96, 1.770, 19.163)

Conversions

Conversions Part 1

Format	Color
Hex	F7F2F2
RGB	247, 242, 242
RGB Percent	97%, 95%, 95%
CMY	0.0299, 0.0495, 0.0495
CMYK	0.00, 0.02, 0.02, 0.03
HSL	0°, 25%, 96%
HSV	0°, 2%, 97%
XYZ	86.4416, 90.0078, 97.1212
YIQ	243.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

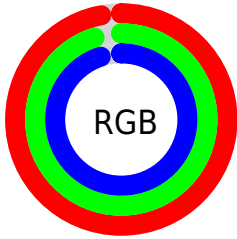
Format	Color
R _Y B	247, 242, 242
Decimal	16249586
CIE Lab	96.00, 1.67, 0.58
CIE LCh	96, 1.770, 19.163
Yxy	90.0078, 0.3160, 0.3290
Android (android.graphics.Color)	4294439666 (0xFF7F2F2)
YUV	243.4950, -0.7370, 3.0739
Hunter-Lab	94.8724, -3.3891, 5.7153

Details

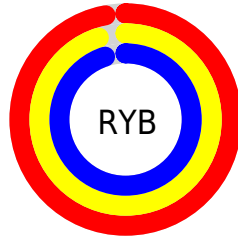
The CIELCh color **96, 1.770, 19.163** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97, 1.744, 199.734**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 1.862, 19.275** is the 20% darker color. If you saturate the color by 10%, you get **89, 10.938, 20.212**, and if you desaturate by 10%, it is **99, 2.639, 199.489**.

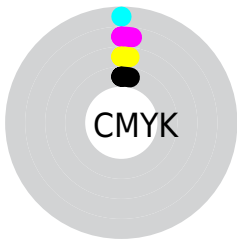
Distribution



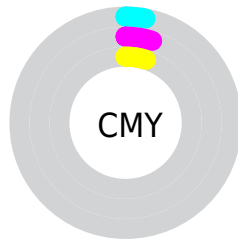
- Red (97%)
- Green (95%)
- Blue (95%)



- Red (97%)
- Yellow (95%)
- Blue (95%)



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















- Cyan (3%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 1.770, 19.163 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, 1.770, 19.163 by changing the saturation by 10% instead.

 96, 1.770, 19.163	 96, 1.770, 19.163
 100, 1.770, 19.163	 86, 1.770, 19.163
	 76, 1.770, 19.163
	 66, 1.770, 19.163
	 56, 1.770, 19.163
	 46, 1.770, 19.163
	 36, 1.770, 19.163
	 26, 1.770, 19.163
	 16, 1.770, 19.163
	 6, 1.770, 19.163

96, 1.770, 19.163

96, 1.770, 19.163

89, 10.938, 20.212

99, 2.639, 199.489

83, 20.846, 21.111

77, 31.488, 22.260

71, 42.789, 23.760

65, 54.571, 25.722

60, 66.539, 28.255

57, 78.273, 31.403

54, 89.141, 34.981

52, 97.843, 38.265

Harmonies

Complementary

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



96, 1.770, 19.163



97, 1.744, 199.734

Rectangle

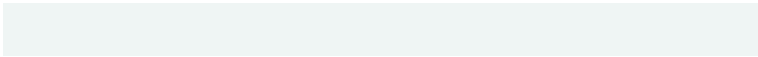
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



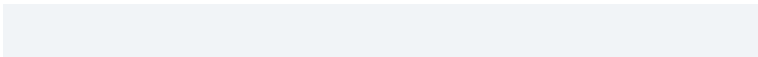
96, 1.770, 19.163



96, 1.770, 69.163



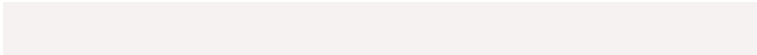
96, 1.770, 199.163



96, 1.770, 249.163

Sweetspot

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



96, 1.768, 19.232



99, 0.894, 18.797



96, 3.132, 324.457



53, 0.508, 18.756



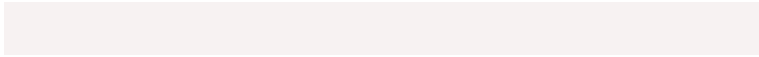
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 1.768, 19.232



99, 1.793, 19.228



97, 1.537, 74.894



52, 1.002, 19.201



39, 83.380, 40.009



9, 32.177, 26.182

Inverse Universe

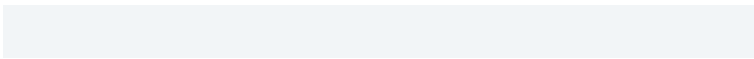
The Inverse Universe completely reimagines the original color for something new.



97, 1.744, 199.734



100, 1.768, 199.738



96, 1.546, 255.945



52, 0.989, 199.764



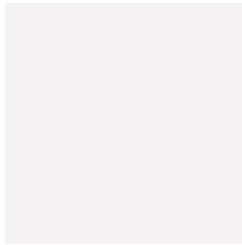
69, 39.915, 196.516



23, 18.062, 196.499

Previews

White Background



This preview shows how the CIE LCh color 96, 1.770, 19.163 looks on a white background.

Color Contrast Check

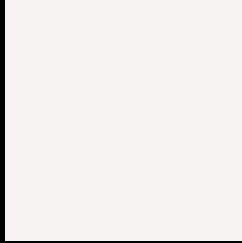
Large Text (above 18pt) WCAG AA × Fail

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, 1.770, 19.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

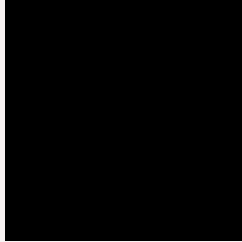
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

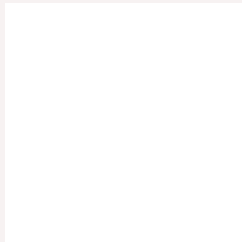
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 1.770, 19.163

Background



This preview shows how black text looks on a background with the CIELCh color 96, 1.770, 19.163.

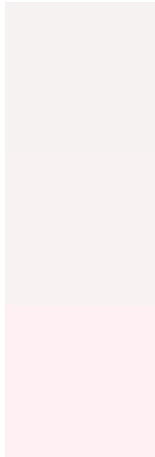


This preview shows how white text looks on a background with the CIELCh color 96, 1.770, 19.163.

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, 1.770, 19.163

Protanopia

96, 2.126, 19.247

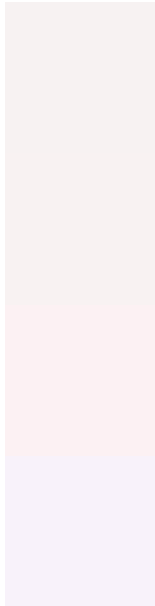
Deuteranopia

96, 5.723, 358.764



Tritanopia
96, 7.617, 309.293

Trichromacy



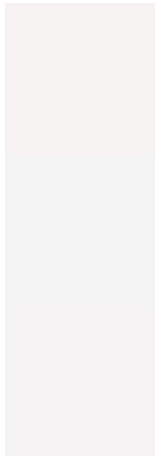
Original Color
96, 1.770, 19.163

Protanomaly
96, 2.126, 19.247

Deuteranomaly
96, 4.046, 4.889

Tritanomaly
96, 4.637, 317.382

Monochromacy



Original Color
96, 1.770, 19.163

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 0.707, 18.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 1.770, 19.163 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(247, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 242, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 1.770, 19.163 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(247, 242, 242) }
```

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

```
.border{ border-color:rgb(247, 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(247, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(247, 242,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 1.770, 19.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 242, 242) }
```

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

```
.background{ background-color: rgb(247,  
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](#).

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