

Converting Colors

CIELCh(96, 6.072, 45.531)

Have a look what the booklet for
CIELCh(96, 6.072, 45.531) contains.

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Color

CIELCh(96, 5.960, 44.972)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1EC
RGB	255, 241, 236
RGB Percent	100%, 95%, 93%
CMY	0.0000, 0.0568, 0.0764
CMYK	0.00, 0.06, 0.08, 0.00
HSL	15°, 100%, 96%
HSV	15°, 8%, 100%
XYZ	87.8109, 90.0078, 91.7286
YIQ	244.6160, 9.9490, 1.4130

Conversions

Conversions Part 2

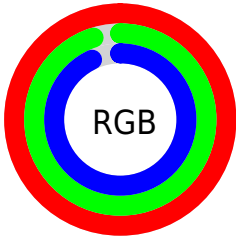
Format	Color
R _Y B	255, 243, 236
Decimal	16773612
CIE Lab	96.00, 4.22, 4.21
CIE LCh	96, 5.960, 44.972
Yxy	90.0078, 0.3258, 0.3339
Android (android.graphics.Color)	4294963692 (0xFFFFF1EC)
YUV	244.6160, -4.2477, 9.1068
Hunter-Lab	94.8724, -0.8128, 9.0854

Details

The CIELCh color **96, 5.960, 44.972** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97, 5.540, 226.785**, 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, 5.601, 48.222** is the 20% darker color. If you saturate the color by 10%, you get **91, 13.911, 45.450**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

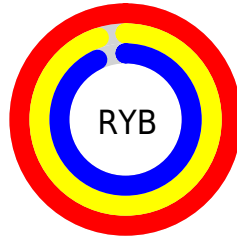
Distribution



Red (100%)

Green (95%)

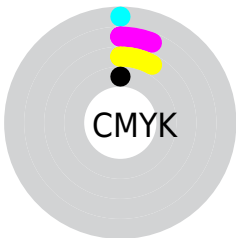
Blue (93%)



Red (100%)

Yellow (95%)

Blue (93%)

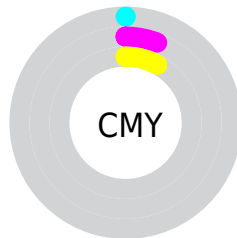


Cyan (0%)

Magenta (6%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.960, 44.972 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, 5.960, 44.972 by changing the saturation by 10% instead.

	96, 5.960, 44.972		96, 5.960, 44.972
	100, 5.960, 44.972		86, 5.960, 44.972
			76, 5.960, 44.972
			66, 5.960, 44.972
			56, 5.960, 44.972
			46, 5.960, 44.972
			36, 5.960, 44.972
			26, 5.960, 44.972
			16, 5.960, 44.972
			6, 5.960, 44.972

96, 5.960, 44.972

96, 5.960, 44.972

91, 13.911, 45.450

100, 0.012,
296.813

86, 22.705, 45.158

81, 32.218, 44.981

76, 42.468, 44.952

71, 53.413, 45.091

67, 64.897, 45.385

64, 76.521, 45.737

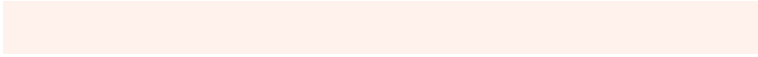
60, 87.362, 45.847

58, 95.692, 45.125

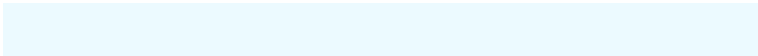
Harmonies

Complementary

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



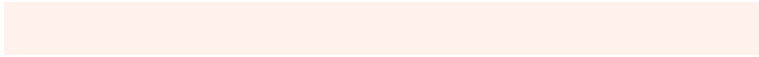
96, 5.960, 44.972



97, 5.540, 226.785

Rectangle

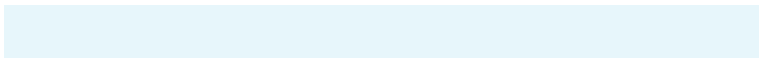
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 5.960, 44.972



96, 5.960, 94.972



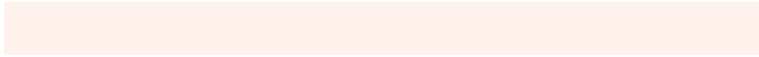
96, 5.960, 224.972



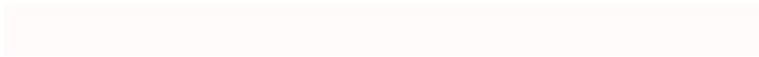
96, 5.960, 274.972

Sweetspot

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



96, 5.789, 45.791



99, 1.479, 45.734



95, 10.212, 332.801



53, 0.841, 45.717



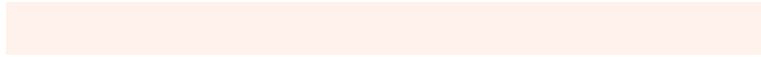
0, 0.000, 0.000



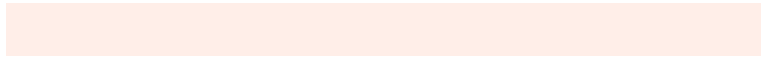
53, 0.007, 296.813

Same Dimension

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



96, 5.789, 45.791



95, 6.854, 45.748



98, 7.613, 96.297



50, 4.338, 45.731



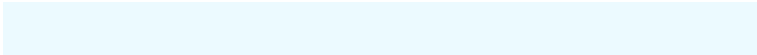
43, 77.936, 45.452



12, 29.150, 40.728

Inverse Universe

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



97, 5.540, 226.785



97, 6.503, 226.853



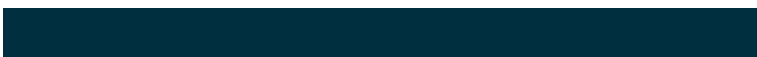
95, 7.668, 278.205



51, 4.103, 226.880



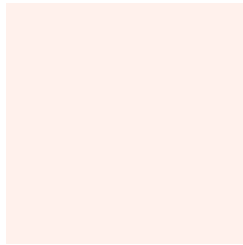
55, 37.169, 247.791



18, 16.570, 241.307

Previews

White Background



This preview shows how the CIE LCh color 96, 5.960, 44.972 looks on a white background.

Color Contrast Check

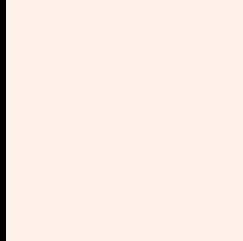
Large Text (above 18pt) WCAG AA × Fail

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, 5.960, 44.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

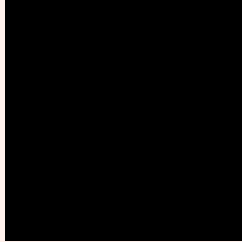
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

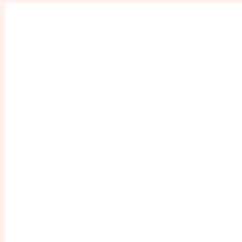
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.960, 44.972

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.960, 44.972.

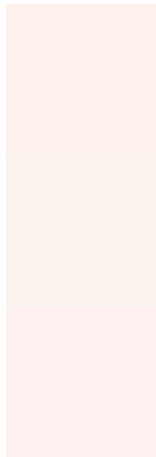


This preview shows how white text looks on a background with the CIELCh color 96, 5.960, 44.972.

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, 5.628, 46.539

Protanopia

96, 3.555, 65.241

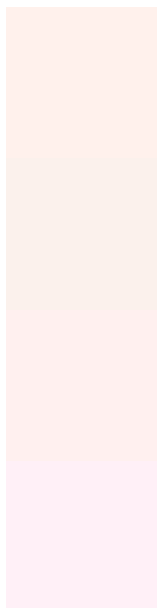
Deuteranopia

96, 5.379, 14.205



Tritanopia
96, 9.153, 328.376

Trichromacy



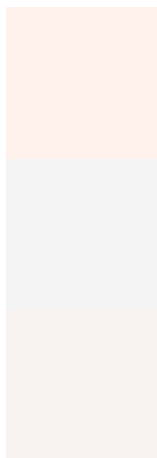
Original Color
96, 5.628, 46.539

Protanomaly
96, 4.383, 55.089

Deuteranomaly
96, 5.387, 25.079

Tritanomaly
96, 6.429, 345.912

Monochromacy



Original Color
96, 5.628, 46.539

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.033, 49.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.960, 44.972 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(255, 241, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 236)  
}
```

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(255, 241, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 5.960, 44.972 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(255, 241, 236) }
```

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

```
.border{ border-color:rgb(255, 241, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 5.960, 44.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 236) }
```

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

```
.background{ background-color: rgb(255,  
241, 236) }
```

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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