

# Converting Colors

CIELCh(100, 25.715, 35.790)

Have a look what the booklet for  
CIELCh(100, 25.715, 35.790)  
contains.

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# **Color**

**CIELCh(96, 8.591, 70.106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1E4
RGB	255, 241, 228
RGB Percent	100%, 95%, 89%
CMY	0.0000, 0.0547, 0.1057
CMYK	0.00, 0.05, 0.11, 0.00
HSL	29°, 100%, 95%
HSV	29°, 11%, 100%
XYZ	87.1133, 90.0078, 86.2109
YIQ	243.7040, 12.5170, -1.0750

# Conversions

## Conversions Part 2

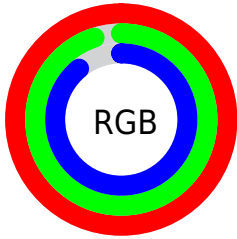
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 253, 228
Decimal	16773604
CIE <sub>Lab</sub>	96.00, 2.92, 8.08
CIE <sub>LCh</sub>	96, 8.591, 70.106
Yxy	90.0078, 0.3308, 0.3418
Android (android.graphics.Color)	4294963684 (0xFFFFF1E4)
YUV	243.7040, -7.7421, 9.9066
Hunter-Lab	94.8724, -2.1254, 12.5337

# Details

The CIELCh color **96, 8.591, 70.106** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 8.112, 254.970**, 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, 8.144, 71.677** is the 20% darker color. If you saturate the color by 10%, you get **92, 16.659, 71.004**, and if you desaturate by 10%, it is **100, 0.432, 72.407**.

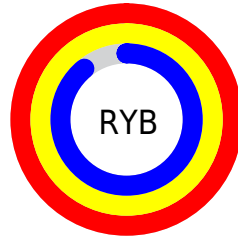
# Distribution



Red (100%)

Green (95%)

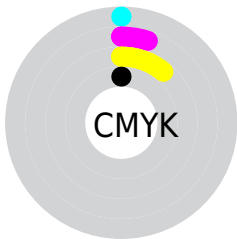
Blue (89%)



Red (100%)

Yellow (99%)

Blue (89%)

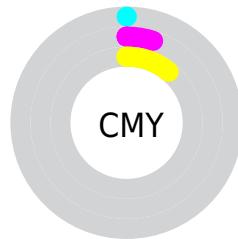


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (5%)













Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 8.591, 70.106 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, 8.591, 70.106 by changing the saturation by 10% instead.



 96, 8.591, 70.106	 96, 8.591, 70.106
 100, 8.591, 70.106	 86, 8.591, 70.106
	 76, 8.591, 70.106
	 66, 8.591, 70.106
	 56, 8.591, 70.106
	 46, 8.591, 70.106
	 36, 8.591, 70.106
	 26, 8.591, 70.106
	 16, 8.591, 70.106
	 6, 8.591, 70.106

96, 8.591, 70.106

96, 8.591, 70.106

92, 16.659, 71.004

100, 0.432, 72.407

88, 25.399, 69.778

100, 0.012,  
296.813

85, 34.579, 68.543

81, 44.169, 67.301

78, 54.062, 66.034

75, 63.985, 64.684

71, 73.365, 63.110

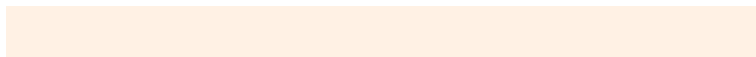
69, 81.161, 61.027

66, 86.269, 58.388

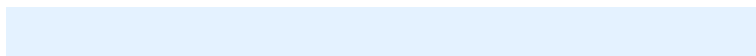
# Harmonies

# Complementary

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



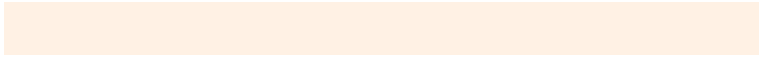
96, 8.591, 70.106



95, 8.112, 254.970

# Rectangle

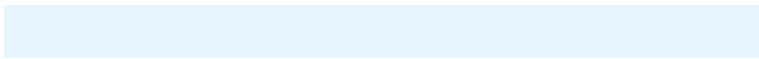
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 8.591, 70.106



96, 8.591, 120.106



96, 8.591, 250.106



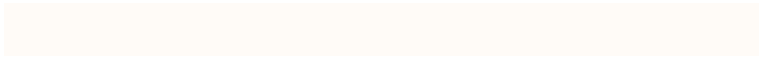
96, 8.591, 300.106

# Sweetspot

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



96, 8.347, 72.203



99, 2.320, 72.978



93, 12.152, 342.728



53, 1.763, 72.923



0, 0.000, 0.000

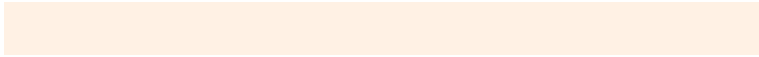


53, 0.007, 296.813

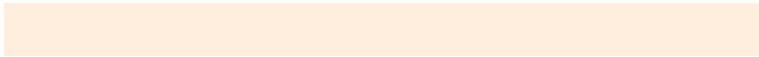


# Same Dimension

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



96, 8.347, 72.203



95, 10.328, 71.917



99, 13.197, 107.760



51, 4.477, 72.327



50, 69.202, 59.099



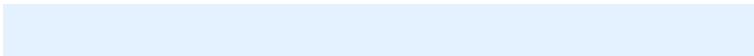
16, 27.033, 60.117



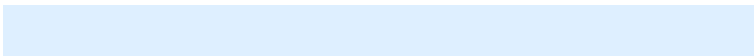


# Inverse Universe

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



95, 8.112, 254.970



94, 9.960, 255.315



92, 13.505, 289.962



51, 4.366, 254.825



42, 56.321, 282.448

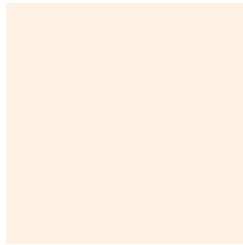


12, 23.007, 275.760



# Previews

## White Background



This preview shows how the CIE LCh color 96, 8.591, 70.106 looks on a white background.

## Color Contrast Check

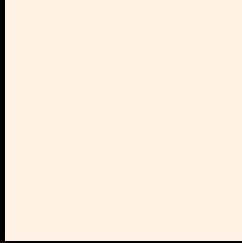
Large Text (above 18pt) WCAG AA × Fail

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, 8.591, 70.106 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

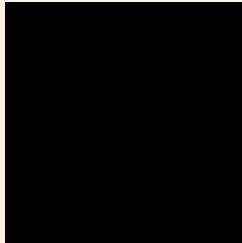
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

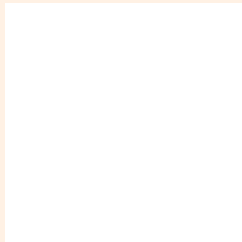
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 8.591, 70.106

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 8.591, 70.106.

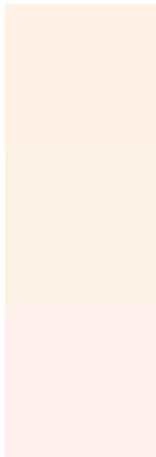


This preview shows how white text looks on a background with the CIELCh color 96, 8.591, 70.106.

# 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, 8.355, 72.056

### Protanopia

96, 7.379, 83.417

### Deuteranopia

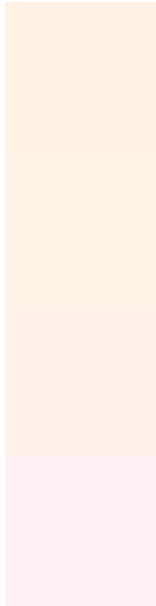
96, 5.464, 30.405



**Tritanopia**  
96, 9.153, 328.376



# Trichromacy



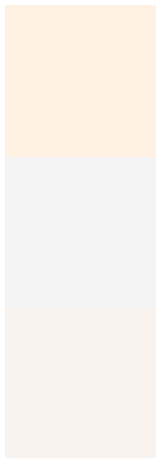
**Original Color**  
96, 8.355, 72.056

**Protanomaly**  
96, 7.546, 80.925

**Deuteranomaly**  
96, 6.202, 49.202

**Tritanomaly**  
96, 5.723, 358.764

# Monochromacy



**Original Color**  
96, 8.355, 72.056

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 3.094, 74.789

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 8.591, 70.106 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 8.591, 70.106 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, 228) }
```

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

```
.border{ border-color:rgb(255, 241, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 8.591, 70.106 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, 228) }
```

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

```
.background{ background-color: rgb(255,  
241, 228) }
```

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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