

# Converting Colors

CIELCh(96, 8.140, 74.110)

Have a look what the booklet for  
CIELCh(96, 8.140, 74.110) contains.

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# **Color**

**CIELCh(96, 8.555, 76.027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2E4
RGB	255, 242, 228
RGB Percent	100%, 95%, 89%
CMY	0.0017, 0.0526, 0.1075
CMYK	0.00, 0.05, 0.11, 0.00
HSL	31°, 97%, 95%
HSV	31°, 11%, 100%
XYZ	86.6526, 90.0078, 85.8988
YIQ	244.2910, 12.2420, -1.5980

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 255, 228
Decimal	16773860
CIE <sub>Lab</sub>	96.00, 2.07, 8.30
CIE <sub>LCh</sub>	96, 8.555, 76.027
Yxy	90.0078, 0.3300, 0.3428
Android (android.graphics.Color)	4294963940 (0xFFFFF2E4)
YUV	244.2910, -8.0315, 9.3918
Hunter-Lab	94.8724, -2.9921, 12.7287

# Details

The CIELCh color  $96, 8.555, 76.027$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $94, 8.366, 258.894$ , 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  $76, 8.350, 75.954$  is the 20% darker color. If you saturate the color by 10%, you get  $92, 17.001, 74.791$ , and if you desaturate by 10%, it is  $100, 0.467, 76.440$ .

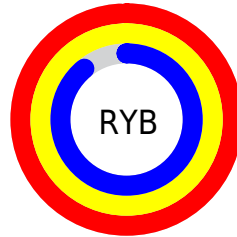
# Distribution



Red (100%)

Green (95%)

Blue (89%)



Red (99%)

Yellow (100%)

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, 8.555, 76.027 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, 8.555, 76.027 by changing the saturation by 10% instead.



 96, 8.555, 76.027	 96, 8.555, 76.027
 100, 8.555, 76.027	 86, 8.555, 76.027
	 76, 8.555, 76.027
	 66, 8.555, 76.027
	 56, 8.555, 76.027
	 46, 8.555, 76.027
	 36, 8.555, 76.027
	 26, 8.555, 76.027
	 16, 8.555, 76.027
	 6, 8.555, 76.027

96, 8.555, 76.027

96, 8.555, 76.027

92, 17.001, 74.791

100, 0.467, 76.440

89, 25.823, 73.499

100, 0.149,  
203.857

86, 35.026, 72.186

82, 44.566, 70.850

79, 54.316, 69.472

76, 63.982, 67.995

73, 72.967, 66.284

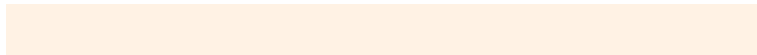
70, 80.243, 64.075

68, 84.820, 61.356

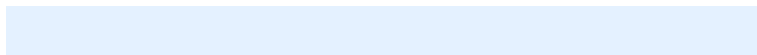
# Harmonies

# Complementary

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



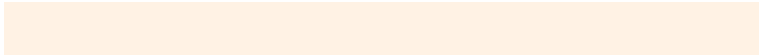
96, 8.555, 76.027



94, 8.366, 258.894

# Rectangle

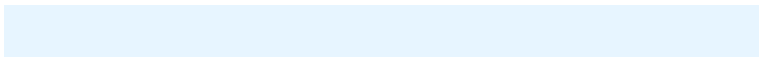
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 8.555, 76.027



96, 8.555, 126.027



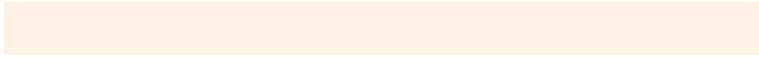
96, 8.555, 256.027



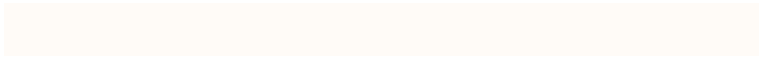
96, 8.555, 306.027

# Sweetspot

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



96, 8.556, 76.045



99, 2.379, 76.871



93, 11.771, 345.431



53, 1.808, 76.809



0, 0.000, 0.000

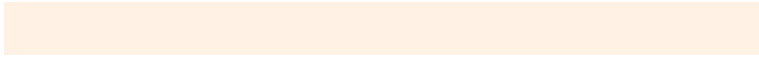


53, 0.007, 296.813

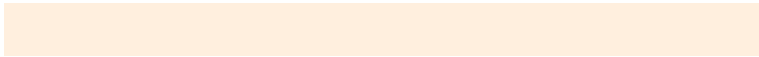


# Same Dimension

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



96, 8.556, 76.045



95, 10.562, 75.750



99, 13.665, 109.829



51, 4.583, 76.178



52, 68.187, 62.058



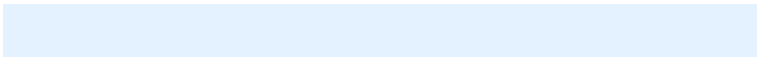
16, 27.015, 63.703



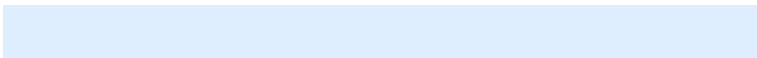


# Inverse Universe

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



94, 8.366, 258.894



93, 10.263, 259.244



91, 14.007, 291.921



50, 4.494, 258.740



40, 60.525, 285.969

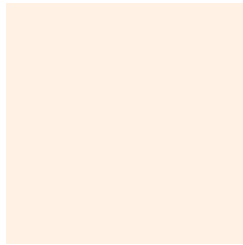


11, 24.549, 279.564



# Previews

## White Background



This preview shows how the CIELCh color 96, 8.555, 76.027 looks on a white background.

## Color Contrast Check

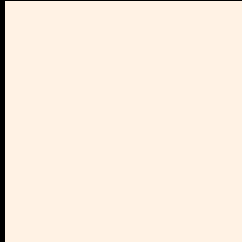
Large Text (above 18pt) WCAG AA × Fail

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, 8.555, 76.027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

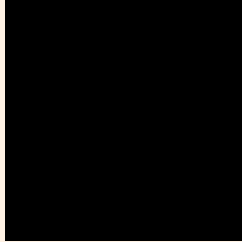
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 96, 8.555, 76.027

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 8.555, 76.027.

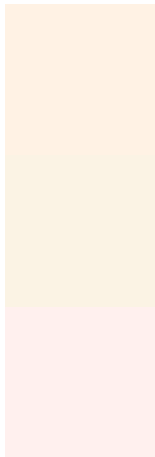


This preview shows how white text looks on a background with the CIELCh color 96, 8.555, 76.027.

# 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, 8.555, 76.027

### Protanopia

96, 8.171, 88.760

### Deuteranopia

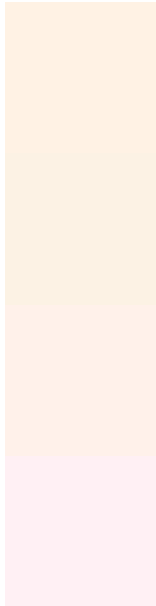
96, 5.464, 30.405



**Tritanopia**  
96, 9.153, 328.376



# Trichromacy



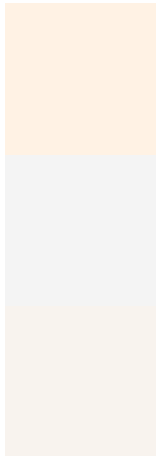
**Original Color**  
96, 8.555, 76.027

**Protanomaly**  
96, 8.001, 82.612

**Deuteranomaly**  
96, 6.168, 54.948

**Tritanomaly**  
96, 5.723, 358.764

# Monochromacy



**Original Color**  
96, 8.555, 76.027

**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, 8.555, 76.027 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, 242, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 8.555, 76.027 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, 242, 228) }
```

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

```
.border{ border-color:rgb(255, 242, 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, 242, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 8.555, 76.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 228) }
```

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

```
.background{ background-color: rgb(255,  
242, 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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