

# Converting Colors

CIELCh(96, 8.457, 78.145)

Have a look what the booklet for  
CIELCh(96, 8.457, 78.145) contains.

<b>CIELCh(96, 8.358, 78.126)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(96, 8.358, 78.126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF2E4
RGB	254, 242, 228
RGB Percent	100%, 95%, 89%
CMY	0.0047, 0.0517, 0.1067
CMYK	0.00, 0.05, 0.10, 0.00
HSL	32°, 92%, 94%
HSV	32°, 10%, 100%
XYZ	86.4672, 90.0078, 86.0700
YIQ	243.9920, 11.6460, -1.8100

# Conversions

## Conversions Part 2

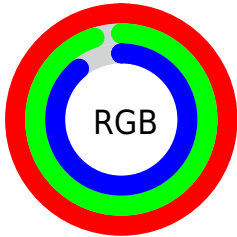
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 254, 228
Decimal	16708324
CIE <sub>Lab</sub>	96.00, 1.72, 8.18
CIE <sub>LCh</sub>	96, 8.358, 78.126
Yxy	90.0078, 0.3293, 0.3428
Android (android.graphics.Color)	4294898404 (0xFFFEF2E4)
YUV	243.9920, -7.8841, 8.7770
Hunter-Lab	94.8724, -3.3409, 12.6217

# Details

The CIELCh color **96, 8.358, 78.126** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 8.207, 260.919**, 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, 8.142, 78.230** is the 20% darker color. If you saturate the color by 10%, you get **93, 16.865, 76.871**, and if you desaturate by 10%, it is **99, 0.185, 77.277**.

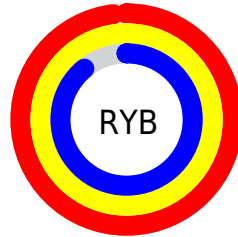
# Distribution



Red (100%)

Green (95%)

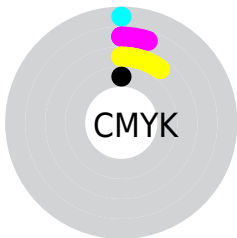
Blue (89%)



Red (98%)

Yellow (100%)

Blue (89%)

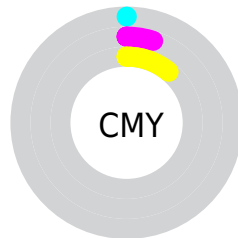


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (5%)











Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 8.358, 78.126 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, 8.358, 78.126 by changing the saturation by 10% instead.



 96, 8.358, 78.126	 96, 8.358, 78.126
 100, 8.358, 78.126	 86, 8.358, 78.126
	 76, 8.358, 78.126
	 66, 8.358, 78.126
	 56, 8.358, 78.126
	 46, 8.358, 78.126
	 36, 8.358, 78.126
	 26, 8.358, 78.126
	 16, 8.358, 78.126
	 6, 8.358, 78.126

96, 8.358, 78.126

96, 8.358, 78.126

93, 16.865, 76.871

99, 0.185, 77.277

89, 25.720, 75.555

100, 0.417,  
200.966

86, 34.922, 74.211

83, 44.422, 72.838

80, 54.086, 71.418

77, 63.618, 69.894

74, 72.421, 68.142

71, 79.494, 65.916

69, 83.991, 63.088

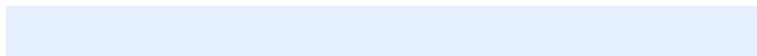
# Harmonies

# Complementary

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



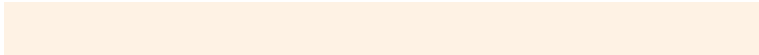
96, 8.358, 78.126



94, 8.207, 260.919

# Rectangle

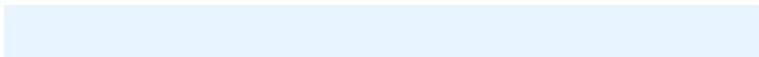
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 8.358, 78.126



96, 8.358, 128.126



96, 8.358, 258.126



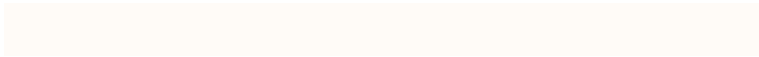
96, 8.358, 308.126

# Sweetspot

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



96, 8.359, 78.144



99, 2.417, 78.945



93, 11.216, 346.338



53, 1.836, 78.879



0, 0.000, 0.000

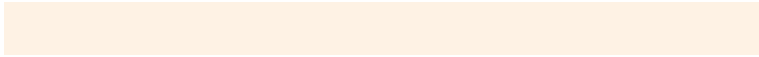


53, 0.007, 296.813

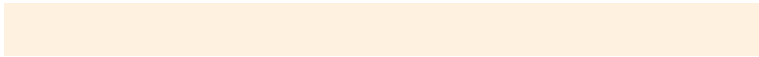


# Same Dimension

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



96, 8.359, 78.144



96, 9.867, 77.926



99, 13.174, 110.547



51, 4.650, 78.235



53, 67.712, 63.773



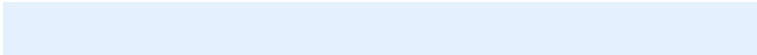
17, 27.052, 65.711





# Inverse Universe

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



94, 8.207, 260.919



94, 9.649, 261.175



91, 13.494, 292.506



50, 4.574, 260.816



39, 62.934, 287.746

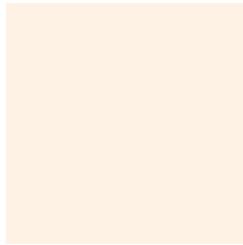


11, 25.445, 281.506



# Previews

## White Background



This preview shows how the CIE LCh color 96, 8.358, 78.126 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, 8.358, 78.126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

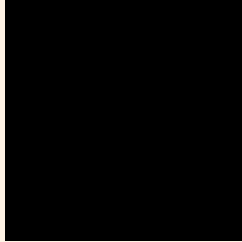
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

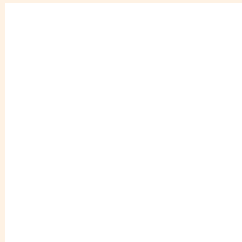
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 8.358, 78.126

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 8.358, 78.126.

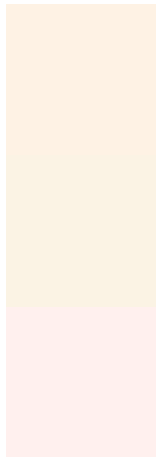


This preview shows how white text looks on a background with the CIELCh color 96, 8.358, 78.126.

# 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, 8.358, 78.126

### Protanopia

96, 8.171, 88.760

### Deuteranopia

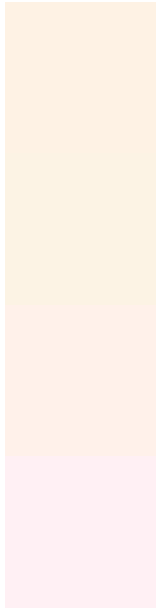
96, 5.464, 30.405



**Tritanopia**  
96, 9.560, 326.487



# Trichromacy



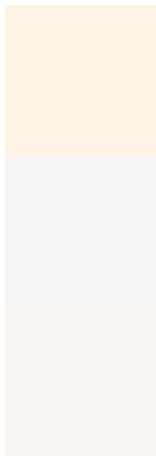
**Original Color**  
96, 8.358, 78.126

**Protanomaly**  
96, 8.307, 86.400

**Deuteranomaly**  
96, 6.168, 54.948

**Tritanomaly**  
96, 5.723, 358.764

# Monochromacy



**Original Color**  
96, 8.358, 78.126

**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, 8.358, 78.126 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(254, 242, 228)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 242, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 242, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 8.358, 78.126 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(254, 242, 228) }
```

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

```
.border{ border-color:rgb(254, 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(254, 242, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 242, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 242, 228);  
box-shadow:4px 4px 4px 4px rgb(254, 242,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 8.358, 78.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 242, 228) }
```

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

```
.background{ background-color: rgb(254,  
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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