

# Converting Colors

CIELCh(93, 9.256, 69.962)

Have a look what the booklet for  
CIELCh(93, 9.256, 69.962) contains.

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# **Color**

**CIELCh(93, 9.292, 70.246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E8DA
RGB	248, 232, 218
RGB Percent	97%, 91%, 85%
CMY	0.0263, 0.0890, 0.1440
CMYK	0.00, 0.06, 0.12, 0.03
HSL	28°, 69%, 91%
HSV	28°, 12%, 97%
XYZ	80.4496, 82.9670, 78.3035
YIQ	235.1880, 14.0300, -0.9620

# Conversions

## Conversions Part 2

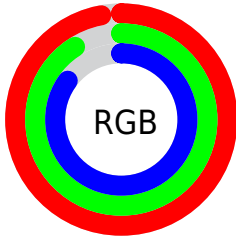
Format	Color
R <sub>Y</sub> B	248, 244, 218
Decimal	16312538
CIE Lab	93.00, 3.14, 8.75
CIE LCh	93, 9.292, 70.246
Yxy	82.9670, 0.3328, 0.3432
Android (android.graphics.Color)	4294502618 (0xFFF8E8DA)
YUV	235.1880, -8.4737, 11.2361
Hunter-Lab	91.0862, -1.7453, 12.7909

# Details

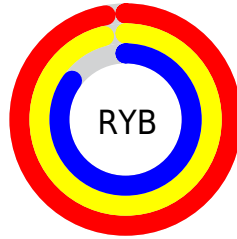
The CIELCh color **93, 9.292, 70.246** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 8.959, 253.361**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 9.155, 69.713** is the 20% darker color. If you saturate the color by 10%, you get **89, 17.440, 69.092**, and if you desaturate by 10%, it is **97, 1.556, 71.199**.

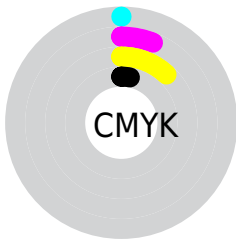
# Distribution



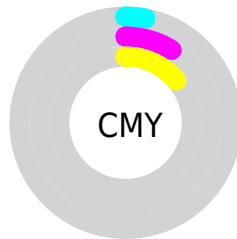
- Red (97%)
- Green (91%)
- Blue (85%)



- Red (97%)
- Yellow (96%)
- Blue (85%)



- Cyan (0%)
- Magenta (6%)
- Yellow (12%)
- Black (3%)



- Cyan (3%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 9.292, 70.246 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 93, 9.292, 70.246 by changing the saturation by 10% instead.



 93, 9.292, 70.246	 93, 9.292, 70.246
 100, 9.292, 70.246	 83, 9.292, 70.246
	 73, 9.292, 70.246
	 63, 9.292, 70.246
	 53, 9.292, 70.246
	 43, 9.292, 70.246
	 33, 9.292, 70.246
	 23, 9.292, 70.246
	 13, 9.292, 70.246
	 3, 9.292, 70.246

93, 9.292, 70.246

93, 9.292, 70.246

89, 17.440, 69.092

97, 1.556, 71.199

85, 26.031, 67.903

100, 2.323,  
199.543

82, 35.076, 66.715

78, 44.546, 65.527

75, 54.323, 64.318

72, 64.123, 63.020

69, 73.334, 61.476

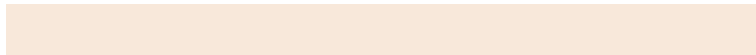
66, 80.869, 59.368

64, 85.168, 57.190

# Harmonies

# Complementary

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



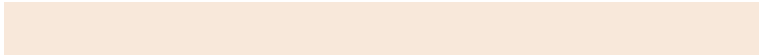
93, 9.292, 70.246



92, 8.959, 253.361

# Rectangle

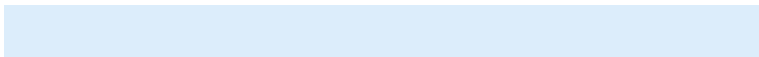
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 9.292, 70.246



93, 9.292, 120.246



93, 9.292, 250.246



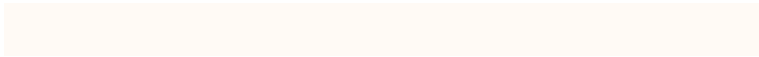
93, 9.292, 300.246

# Sweetspot

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



93, 9.293, 70.263



98, 3.074, 71.117



90, 13.617, 342.863



52, 2.189, 71.053



0, 0.000, 0.000

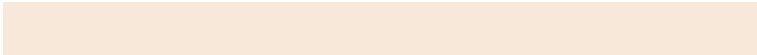


53, 0.007, 296.813

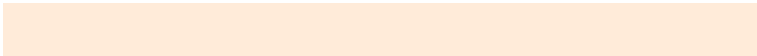


# Same Dimension

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



93, 9.293, 70.263



94, 11.878, 69.923



97, 14.762, 107.610



50, 4.364, 70.557



49, 69.002, 57.880



15, 25.887, 58.311



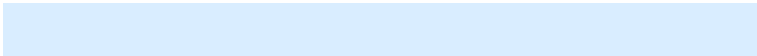


# Inverse Universe

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



92, 8.959, 253.361



93, 11.335, 253.787



88, 15.152, 290.139



50, 4.245, 253.010



43, 53.926, 280.688

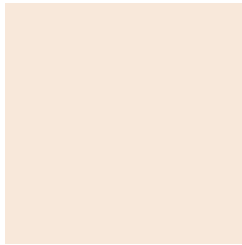


12, 21.631, 273.519



# Previews

## White Background



This preview shows how the CIELCh color 93, 9.292, 70.246 looks on a white background.

## Color Contrast Check

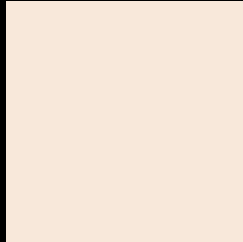
Large Text (above 18pt) WCAG AA × Fail

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 93, 9.292, 70.246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

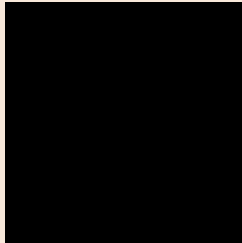
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

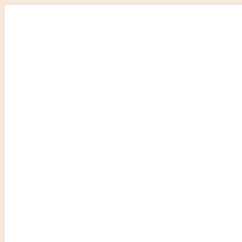
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 9.292, 70.246

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 9.292, 70.246.

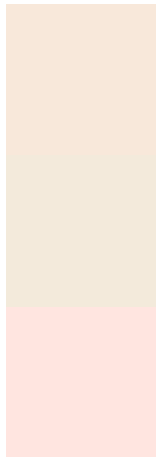


This preview shows how white text looks on a background with the CIELCh color 93, 9.292, 70.246.

# 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

93, 9.292, 70.246

### Protanopia

93, 8.368, 86.358

### Deuteranopia

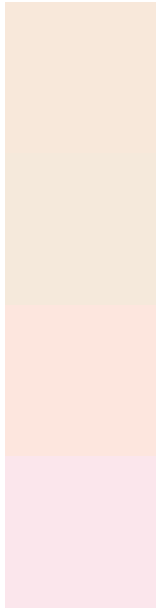
93, 9.866, 35.032



**Tritanopia**  
93, 12.621, 332.934



# Trichromacy



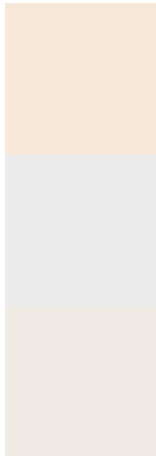
**Original Color**  
93, 9.292, 70.246

**Protanomaly**  
93, 8.421, 78.082

**Deuteranomaly**  
93, 9.389, 45.772

**Tritanomaly**  
93, 8.155, 357.688

# Monochromacy



**Original Color**  
93, 9.292, 70.246

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 3.336, 69.675

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 9.292, 70.246 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(248, 232, 218)` looks like.

```
.text, #text, p{  
    color:rgb(248, 232, 218)  
}
```

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(248, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 232, 218) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 9.292, 70.246 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(248, 232, 218) }
```

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

```
.border{ border-color:rgb(248, 232, 218) }
```

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

Here you see how a box with a 4 pixel rgb(248, 232, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(248, 232,  
218) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 9.292, 70.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 232, 218) }
```

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

```
.background{ background-color: rgb(248,  
232, 218) }
```

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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