

# Converting Colors

CIELCh(93, 11.489, 60.987)

Have a look what the booklet for  
CIELCh(93, 11.489, 60.987) contains.

<b>CIELCh(93, 11.507, 61.706)</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(93, 11.507, 61.706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE7D8
RGB	254, 231, 216
RGB Percent	100%, 91%, 85%
CMY	0.0050, 0.0951, 0.1540
CMYK	0.00, 0.09, 0.15, 0.00
HSL	24°, 94%, 92%
HSV	24°, 15%, 100%
XYZ	81.6361, 82.9670, 76.4992
YIQ	236.1670, 18.5230, 0.2110

# Conversions

## Conversions Part 2

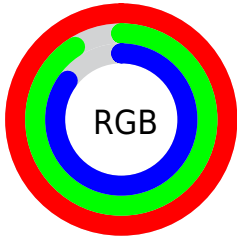
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">254, 241, 216</a>
Decimal	<a href="#">16705496</a>
CIELab	<a href="#">93.00, 5.45, 10.13</a>
CIELCh	<a href="#">93, 11.507, 61.706</a>
Yxy	<a href="#">82.9670, 0.3386, 0.3441</a>
Android (android.graphics.Color)	<a href="#">4294895576 (0xFFFE7D8)</a>
YUV	<a href="#">236.1670, -9.9423, 15.6395</a>
Hunter-Lab	<a href="#">91.0862, 0.5798, 13.9654</a>

# Details

The CIELCh color **93, 11.507, 61.706** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **93, 10.788, 245.081**, 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, 11.536, 60.735** is the 20% darker color. If you saturate the color by 10%, you get **89, 19.830, 60.756**, and if you desaturate by 10%, it is **97, 3.699, 62.628**.

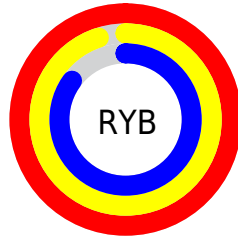
# Distribution



Red (100%)

Green (91%)

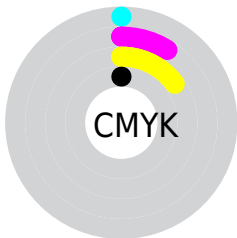
Blue (85%)



Red (100%)

Yellow (95%)

Blue (85%)

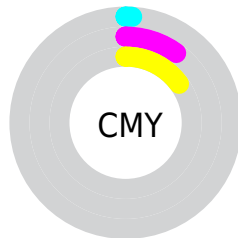


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (0%)



Cyan (1%)

Magenta (10%)

Yellow (15%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 11.507, 61.706 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, 11.507, 61.706 by changing the saturation by 10% instead.



 93, 11.507, 61.706

 93, 11.507, 61.706

 100, 11.507,  
61.706

 83, 11.507, 61.706

 73, 11.507, 61.706

 63, 11.507, 61.706

 53, 11.507, 61.706

 43, 11.507, 61.706

 33, 11.507, 61.706

 23, 11.507, 61.706

 13, 11.507, 61.706

 3, 11.507, 61.706

93, 11.507, 61.706

93, 11.507, 61.706

89, 19.830, 60.756

97, 3.699, 62.628

85, 28.711, 59.814

100, 0.441,  
200.879

80, 38.168, 58.914

77, 48.175, 58.058

73, 58.603, 57.220

69, 69.119, 56.315

66, 78.989, 55.126

63, 86.880, 53.228

62, 89.993, 52.041

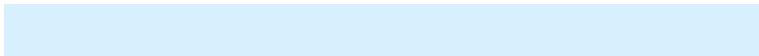
# Harmonies

# Complementary

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



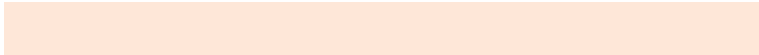
93, 11.507, 61.706



93, 10.788, 245.081

# Rectangle

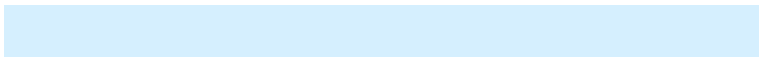
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 11.507, 61.706



93, 11.507, 111.706



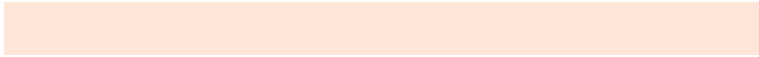
93, 11.507, 241.706



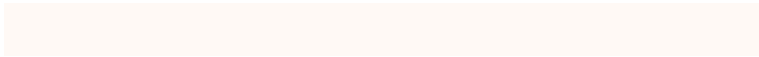
93, 11.507, 291.706

# Sweetspot

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



93, 11.507, 61.721



98, 2.977, 62.691



90, 18.229, 338.987



52, 2.122, 62.644



0, 0.000, 0.000

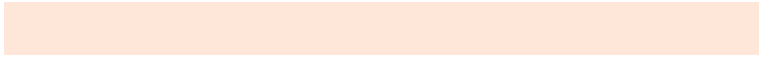


53, 0.007, 296.813

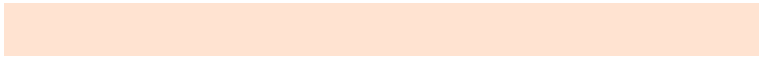


# Same Dimension

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



93, 11.507, 61.721



92, 14.027, 61.428



98, 17.111, 103.368



51, 4.310, 62.241



47, 72.347, 52.706



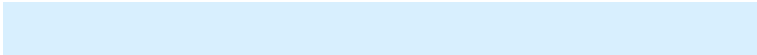
14, 27.505, 51.736





# Inverse Universe

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



93, 10.788, 245.081



92, 12.960, 245.497



88, 17.551, 286.765



51, 4.146, 244.406



47, 47.059, 271.765

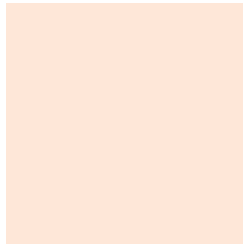


14, 19.731, 264.556



# Previews

## White Background



This preview shows how the CIELCh color 93, 11.507, 61.706 looks on a white background.

## Color Contrast Check

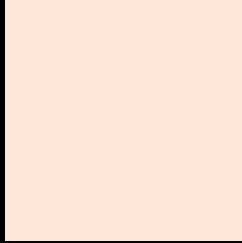
Large Text (above 18pt) WCAG AA × Fail

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, 11.507, 61.706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

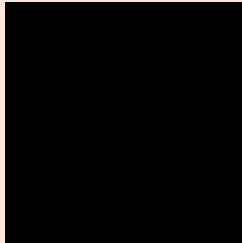
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 93, 11.507, 61.706

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 11.507, 61.706.

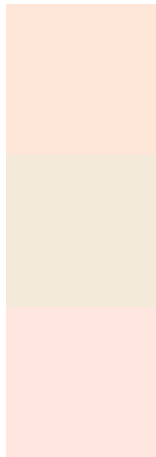


This preview shows how white text looks on a background with the CIELCh color 93, 11.507, 61.706.

# 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, 11.507, 61.706

### Protanopia

93, 8.846, 87.600

### Deuteranopia

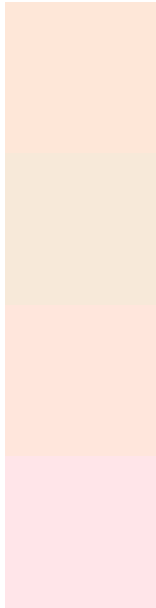
93, 9.854, 41.275



**Tritanopia**  
93, 12.358, 341.588



# Trichromacy



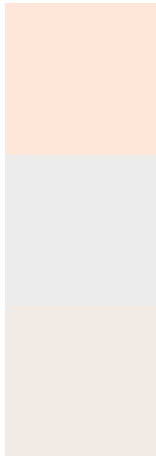
**Original Color**  
93, 11.507, 61.706

**Protanomaly**  
93, 9.697, 77.368

**Deuteranomaly**  
93, 10.560, 48.936

**Tritanomaly**  
93, 9.618, 7.705

# Monochromacy



**Original Color**  
93, 11.507, 61.706

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 3.840, 61.365

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 11.507, 61.706 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, 231, 216)` looks like.

```
.text, #text, p{  
    color:rgb(254, 231, 216)  
}
```

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, 231, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 231, 216) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 11.507, 61.706 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, 231, 216) }
```

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

```
.border{ border-color:rgb(254, 231, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 231, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 231, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 231, 216);  
box-shadow:4px 4px 4px 4px rgb(254, 231,  
216) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 11.507, 61.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 231, 216) }
```

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

```
.background{ background-color: rgb(254,  
231, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor