

# Converting Colors

CIELCh(100, 42.018, 37.888)

Have a look what the booklet for  
CIELCh(100, 42.018, 37.888)  
contains.

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# **Color**

**CIELCh(93, 15.148, 70.823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7D0
RGB	255, 231, 208
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0950, 0.1853
CMYK	0.00, 0.10, 0.19, 0.00
HSL	29°, 100%, 91%
HSV	29°, 19%, 100%
XYZ	81.3898, 82.9670, 71.2355
YIQ	235.5540, 21.6870, -2.0650

# Conversions

## Conversions Part 2

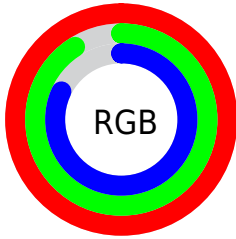
Format	Color
R <sub>Y</sub> B	255, 253, 208
Decimal	16771024
CIE Lab	93.00, 4.98, 14.31
CIE LCh	93, 15.148, 70.823
Yxy	82.9670, 0.3455, 0.3522
Android (android.graphics.Color)	4294961104 (0xFFFFE7D0)
YUV	235.5540, -13.5841, 17.0541
Hunter-Lab	91.0862, 0.0972, 17.3916

# Details

The CIELCh color **93, 15.148, 70.823** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 14.192, 256.658**, 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, 14.666, 70.247** is the 20% darker color. If you saturate the color by 10%, you get **89, 23.625, 70.487**, and if you desaturate by 10%, it is **97, 6.718, 72.913**.

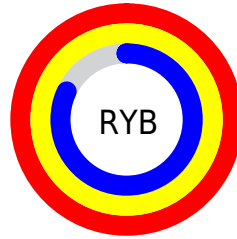
# Distribution



Red (100%)

Green (91%)

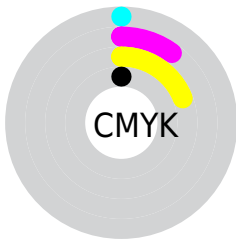
Blue (82%)



Red (100%)

Yellow (99%)

Blue (82%)

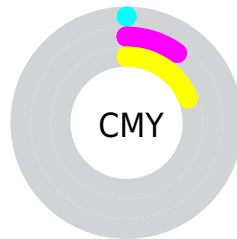


Cyan (0%)

Magenta (10%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (19%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 15.148, 70.823 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, 15.148, 70.823 by changing the saturation by 10% instead.



 93, 15.148, 70.823

 93, 15.148, 70.823

 100, 15.148,  
70.823

 83, 15.148, 70.823

 73, 15.148, 70.823

 63, 15.148, 70.823

 53, 15.148, 70.823

 43, 15.148, 70.823

 33, 15.148, 70.823

 23, 15.148, 70.823

 13, 15.148, 70.823

 3, 15.148, 70.823

93, 15.148, 70.823

93, 15.148, 70.823

89, 23.625, 70.487

97, 6.718, 72.913

86, 32.719, 69.243

100, 0.012,  
296.813

82, 42.226, 67.990

79, 52.057, 66.717

75, 61.981, 65.374

72, 71.497, 63.844

69, 79.664, 61.878

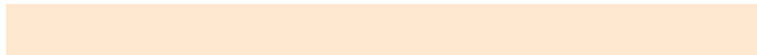
67, 85.347, 59.143

66, 86.095, 58.735

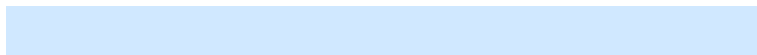
# Harmonies

# Complementary

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



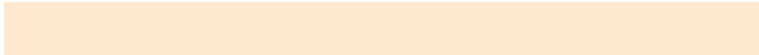
93, 15.148, 70.823



91, 14.192, 256.658

# Rectangle

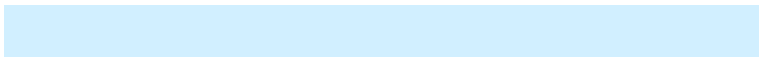
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 15.148, 70.823



93, 15.148, 120.823



93, 15.148, 250.823



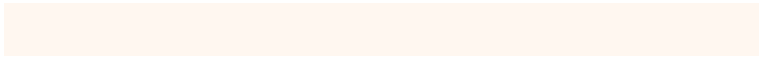
93, 15.148, 300.823

# Sweetspot

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



93, 14.963, 71.719



98, 4.695, 73.192



88, 21.235, 344.354



52, 3.119, 73.122



0, 0.000, 0.000

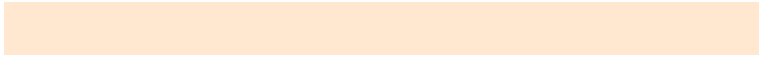


53, 0.007, 296.813

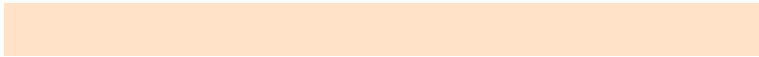


# Same Dimension

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



93, 14.963, 71.719



92, 17.920, 71.294



99, 23.476, 107.675



51, 4.489, 72.801



51, 69.069, 59.446



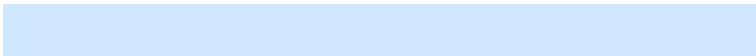
16, 27.025, 60.546



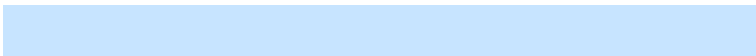


# Inverse Universe

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



91, 14.192, 256.658



89, 16.807, 257.244



85, 24.474, 291.623



51, 4.381, 255.309



42, 56.817, 282.896

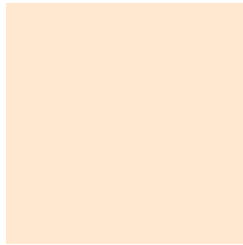


12, 23.188, 276.240



# Previews

## White Background



This preview shows how the CIE LCh color 93, 15.148, 70.823 looks on a white background.

## Color Contrast Check

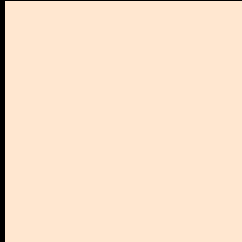
Large Text (above 18pt) WCAG AA × Fail

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 93, 15.148, 70.823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

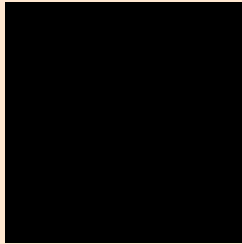
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 93, 15.148, 70.823

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 15.148, 70.823.



This preview shows how white text looks on a background with the CIELCh color 93, 15.148, 70.823.

# 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, 14.897, 71.971

**Protanopia**  
93, 13.473, 91.436

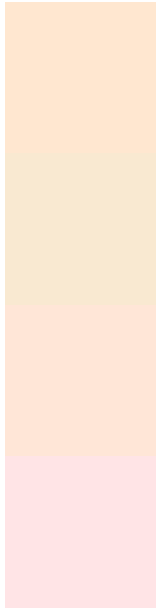
**Deuteranopia**  
93, 10.834, 51.248



**Tritanopia**  
93, 12.649, 342.641



# Trichromacy



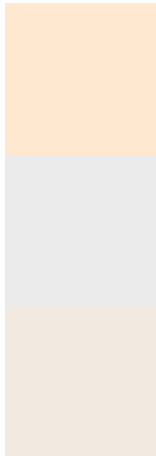
**Original Color**  
93, 14.897, 71.971

**Protanomaly**  
93, 13.705, 83.323

**Deuteranomaly**  
93, 12.092, 59.327

**Tritanomaly**  
93, 9.852, 14.063

# Monochromacy



**Original Color**  
93, 14.897, 71.971

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 5.230, 71.252

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 15.148, 70.823 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, 231, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 208)  
}
```

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, 231, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 15.148, 70.823 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, 231, 208) }
```

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

```
.border{ border-color:rgb(255, 231, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 15.148, 70.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 208) }
```

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

```
.background{ background-color: rgb(255,  
231, 208) }
```

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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