

# Converting Colors

CIELCh(100, 29.379, 27.584)

Have a look what the booklet for  
CIELCh(100, 29.379, 27.584)  
contains.

<b>CIELCh(95, 7.539, 43.754)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(95, 7.539, 43.754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDE7
RGB	255, 237, 231
RGB Percent	100%, 93%, 91%
CMY	0.0000, 0.0714, 0.0949
CMYK	0.00, 0.07, 0.09, 0.00
HSL	15°, 100%, 95%
HSV	15°, 9%, 100%
XYZ	86.1546, 87.6183, 87.8150
YIQ	241.6980, 12.6540, 1.9500

# Conversions

## Conversions Part 2

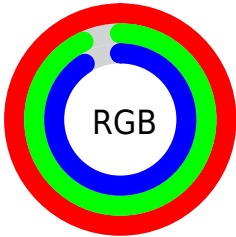
Format	Color
R <sub>Y</sub> B	255, 239, 231
Decimal	16772583
CIE Lab	95.00, 5.45, 5.21
CIE LCh	95, 7.539, 43.754
Yxy	87.6183, 0.3294, 0.3349
Android (android.graphics.Color)	4294962663 (0xFFFFE7)
YUV	241.6980, -5.2741, 11.6659
Hunter-Lab	93.6047, 0.4849, 9.9005

# Details

The CIELCh color **95, 7.539, 43.754** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97, 6.869, 225.783**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 7.265, 46.128** is the 20% darker color. If you saturate the color by 10%, you get **90, 15.541, 44.415**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

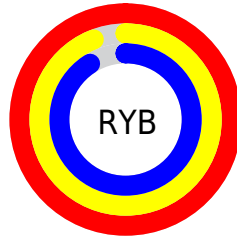
# Distribution



Red (100%)

Green (93%)

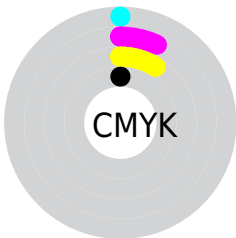
Blue (91%)



Red (100%)

Yellow (94%)

Blue (91%)

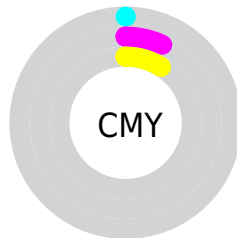


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 7.539, 43.754 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 95, 7.539, 43.754 by changing the saturation by 10% instead.



 95, 7.539, 43.754	 95, 7.539, 43.754
 100, 7.539, 43.754	 85, 7.539, 43.754
	 75, 7.539, 43.754
	 65, 7.539, 43.754
	 55, 7.539, 43.754
	 45, 7.539, 43.754
	 35, 7.539, 43.754
	 25, 7.539, 43.754
	 15, 7.539, 43.754
	 5, 7.539, 43.754

95, 7.539, 43.754

95, 7.539, 43.754

90, 15.541, 44.415

100, 0.012,  
296.813

85, 24.502, 44.191

80, 34.196, 44.095

75, 44.630, 44.160

70, 55.744, 44.403

66, 67.348, 44.804

63, 78.972, 45.240

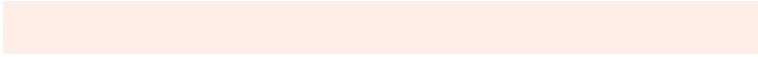
60, 89.546, 45.355

57, 97.418, 44.643

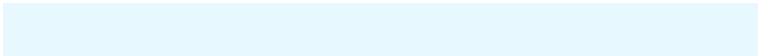
# Harmonies

# Complementary

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



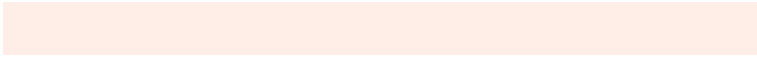
95, 7.539, 43.754



97, 6.869, 225.783

# Rectangle

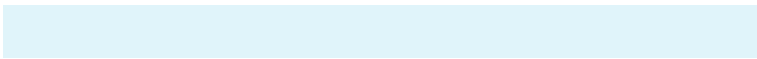
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 7.539, 43.754



95, 7.539, 93.754



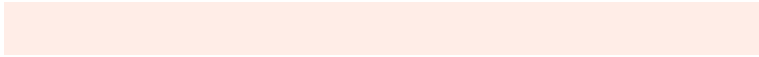
95, 7.539, 223.754



95, 7.539, 273.754

# Sweetspot

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



95, 7.268, 44.713



98, 2.236, 44.784



94, 12.855, 332.305



52, 1.701, 44.810



0, 0.000, 0.000

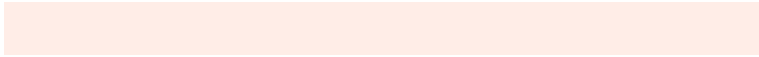


53, 0.007, 296.813

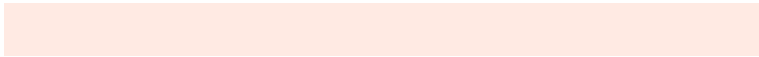


# Same Dimension

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



95, 7.268, 44.713



94, 8.471, 44.668



98, 9.309, 94.928



50, 4.352, 44.713



43, 78.269, 45.109



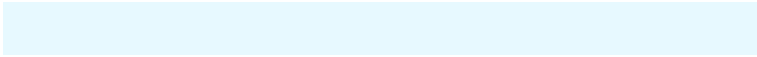
12, 29.275, 40.145



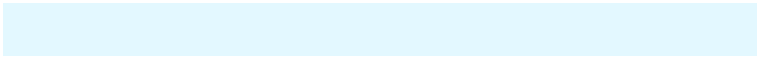


# Inverse Universe

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



97, 6.869, 225.783



96, 7.929, 225.864



94, 9.368, 277.325



51, 4.113, 225.784



56, 36.800, 245.992

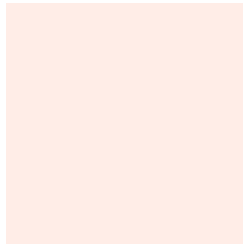


18, 16.471, 239.659



# Previews

## White Background



This preview shows how the CIELCh color 95, 7.539, 43.754 looks on a white background.

## Color Contrast Check

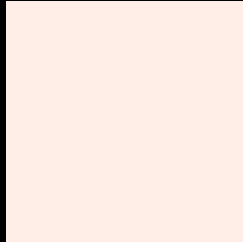
Large Text (above 18pt) WCAG AA × Fail

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 95, 7.539, 43.754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

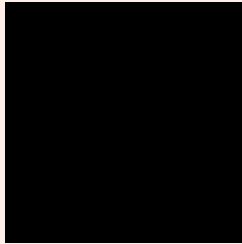
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

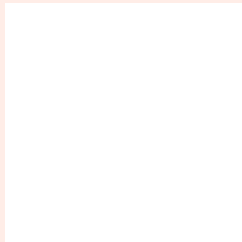
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 95, 7.539, 43.754**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 95, 7.539, 43.754.

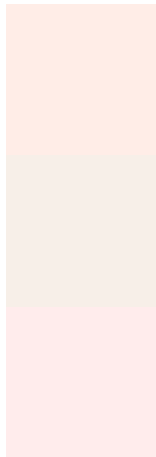


This preview shows how white text looks on a background with the CIELCh color 95, 7.539, 43.754.

# 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


95, 7.197, 44.927

### Protanopia

95, 4.575, 70.910

### Deuteranopia

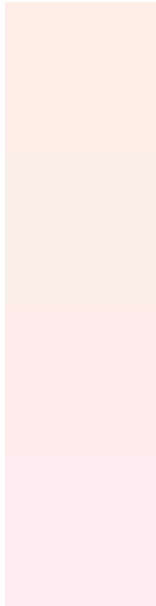
95, 6.829, 19.778



**Tritanopia**  
95, 10.481, 332.816



# Trichromacy



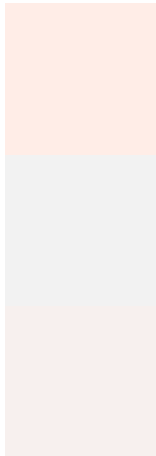
**Original Color**  
95, 7.197, 44.927

**Protanomaly**  
95, 5.287, 55.016

**Deuteranomaly**  
95, 6.922, 28.263

**Tritanomaly**  
95, 7.676, 352.016

# Monochromacy



**Original Color**  
95, 7.197, 44.927

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 2.683, 41.737

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 7.539, 43.754 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, 237, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 231)  
}
```

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, 237, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 231) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 7.539, 43.754 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, 237, 231) }
```

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

```
.border{ border-color:rgb(255, 237, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
231) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 7.539, 43.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 231) }
```

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

```
.background{ background-color: rgb(255,  
237, 231) }
```

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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