

# Converting Colors

CIELCh(100, 37.887, 57.502)

Have a look what the booklet for  
CIELCh(100, 37.887, 57.502)  
contains.

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# **Color**

**CIELCh(95, 23.796, 93.445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0C3
RGB	255, 240, 195
RGB Percent	100%, 94%, 76%
CMY	0.0000, 0.0592, 0.2359
CMYK	0.00, 0.06, 0.24, 0.00
HSL	45°, 100%, 88%
HSV	45°, 24%, 100%
XYZ	82.5342, 87.6183, 64.1057
YIQ	239.3550, 23.3850, -10.8150

# Conversions

## Conversions Part 2

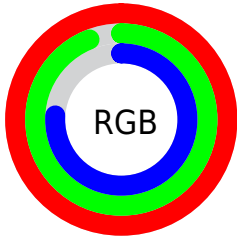
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 255, 195
Decimal	16773315
CIE Lab	95.00, -1.43, 23.75
CIE LCh	95, 23.796, 93.445
Yxy	87.6183, 0.3523, 0.3740
Android (android.graphics.Color)	4294963395 (0xFFFFF0C3)
YUV	239.3550, -21.8670, 13.7207
Hunter-Lab	93.6047, -6.4191, 24.9182

# Details

The CIELCh color **95, 23.796, 93.445** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 24.087, 280.478**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.510, 110.014**, and **75, 23.743, 94.047** is the 20% darker color. If you saturate the color by 10%, you get **93, 33.905, 92.986**, and if you desaturate by 10%, it is **97, 13.575, 95.506**.

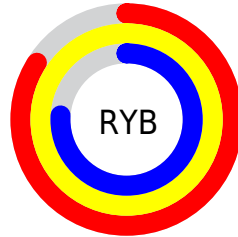
# Distribution



Red (100%)

Green (94%)

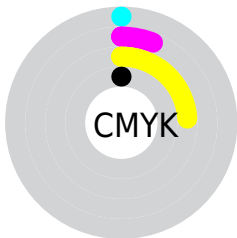
Blue (76%)



Red (84%)

Yellow (100%)

Blue (76%)

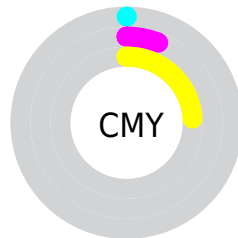


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 23.796, 93.445 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, 23.796, 93.445 by changing the saturation by 10% instead.



 95, 23.796, 93.445

 95, 23.796, 93.445

 100, 23.796,  
93.445

 85, 23.796, 93.445

 75, 23.796, 93.445

 65, 23.796, 93.445

 55, 23.796, 93.445

 45, 23.796, 93.445

 35, 23.796, 93.445

 25, 23.796, 93.445

 15, 23.796, 93.445

 5, 23.796, 93.445

95, 23.796, 93.445

95, 23.796, 93.445

93, 33.905, 92.986

97, 13.575, 95.506

91, 44.072, 91.673

99, 3.552, 96.666

89, 54.039, 90.329

100, 0.012,  
296.813

87, 63.497, 88.946

85, 71.927, 87.499

84, 78.552, 85.931

82, 82.502, 84.138

81, 83.677, 82.849

# Harmonies

# Complementary

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



95, 23.796, 93.445



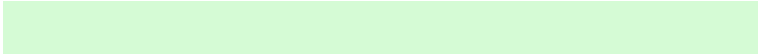
84, 24.087, 280.478

# Rectangle

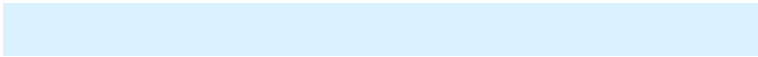
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 23.796, 93.445



95, 23.796, 143.445



95, 23.796, 273.445



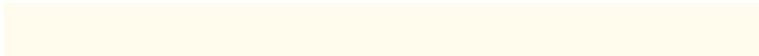
95, 23.796, 323.445

# Sweetspot

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



95, 23.708, 94.266



98, 6.960, 96.290



84, 23.830, 0.826



52, 4.525, 96.220



0, 0.000, 0.000



53, 0.007, 296.813

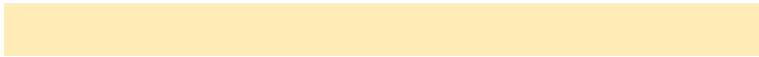


# Same Dimension

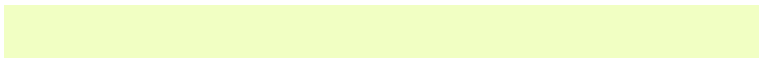
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 23.708, 94.266



94, 28.206, 93.705



98, 30.810, 117.734



52, 5.665, 95.996



62, 67.486, 83.250



21, 29.427, 85.712





# Inverse Universe

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



84, 24.087, 280.478



82, 28.759, 281.245



82, 32.399, 301.045



50, 5.708, 278.367



29, 88.908, 300.630



7, 35.602, 295.838



# Previews

## White Background



This preview shows how the CIE LCh color 95, 23.796, 93.445 looks on a white background.

## Color Contrast Check

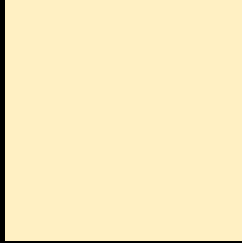
Large Text (above 18pt) WCAG AA × Fail

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 95, 23.796, 93.445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

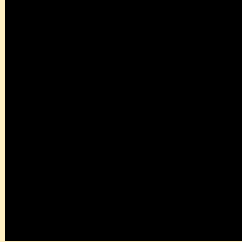
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 95, 23.796, 93.445

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 23.796, 93.445.



This preview shows how white text looks on a background with the CIELCh color 95, 23.796, 93.445.

# 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, 23.678, 94.357

### Protanopia

95, 23.678, 94.357

### Deuteranopia

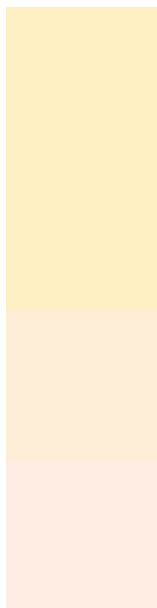
95, 8.646, 60.223



**Tritanopia**  
95, 9.417, 339.180



# Trichromacy



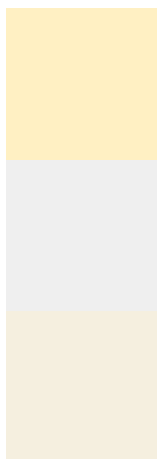
**Original Color**  
95, 23.678, 94.357

**Protanomaly**  
95, 23.678, 94.357

**Deuteranomaly**  
95, 13.358, 81.031

**Tritanomaly**  
95, 7.999, 54.786

# Monochromacy



**Original Color**  
95, 23.678, 94.357

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
95, 8.466, 94.564

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 23.796, 93.445 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, 240, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 195)  
}
```

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, 240, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 23.796, 93.445 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, 240, 195) }
```

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

```
.border{ border-color:rgb(255, 240, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 23.796, 93.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 195) }
```

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

```
.background{ background-color: rgb(255,  
240, 195) }
```

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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