

# Converting Colors

CIELCh(100, 36.513, 59.621)

Have a look what the booklet for  
CIELCh(100, 36.513, 59.621)  
contains.

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# **Color**

**CIELCh(95, 24.064, 95.490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF0C2
RGB	254, 240, 194
RGB Percent	100%, 94%, 76%
CMY	0.0024, 0.0572, 0.2375
CMYK	0.00, 0.05, 0.24, 0.00
HSL	46°, 98%, 88%
HSV	46°, 24%, 100%
XYZ	82.0822, 87.6183, 63.8758
YIQ	238.9420, 23.1100, -11.3380

# Conversions

## Conversions Part 2

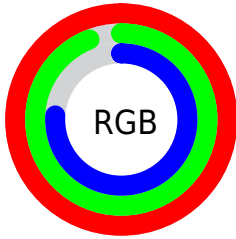
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 254, 194
Decimal	16707778
CIE Lab	95.00, -2.30, 23.95
CIE LCh	95, 24.064, 95.490
Yxy	87.6183, 0.3514, 0.3751
Android (android.graphics.Color)	4294897858 (0xFFFEF0C2)
YUV	238.9420, -22.1564, 13.2059
Hunter-Lab	93.6047, -7.2810, 25.0638

# Details

The CIELCh color **95, 24.064, 95.490** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 24.548, 281.619**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 2.017, 109.989**, and **75, 24.163, 95.222** is the 20% darker color. If you saturate the color by 10%, you get **93, 34.385, 94.237**, and if you desaturate by 10%, it is **97, 13.787, 96.718**.

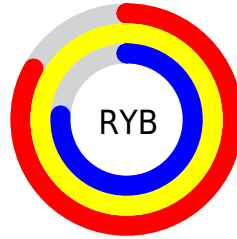
# Distribution



Red (100%)

Green (94%)

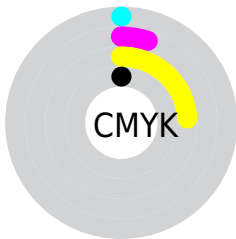
Blue (76%)



Red (83%)

Yellow (100%)

Blue (76%)

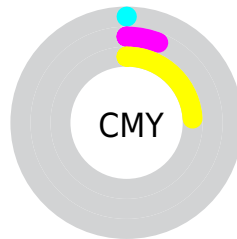


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 24.064, 95.490 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, 24.064, 95.490 by changing the saturation by 10% instead.



 95, 24.064, 95.490

 95, 24.064, 95.490

 100, 24.064,  
95.490

 85, 24.064, 95.490

 75, 24.064, 95.490

 65, 24.064, 95.490

 55, 24.064, 95.490

 45, 24.064, 95.490

 35, 24.064, 95.490

 25, 24.064, 95.490

 15, 24.064, 95.490

 5, 24.064, 95.490

95, 24.064, 95.490

95, 24.064, 95.490

93, 34.385, 94.237

97, 13.787, 96.718

91, 44.647, 92.948

99, 3.600, 97.865

89, 54.671, 91.633

100, 0.210,  
202.547

88, 64.140, 90.288

86, 72.528, 88.893

84, 79.066, 87.400

83, 82.910, 85.721

82, 84.023, 84.525

# Harmonies

# Complementary

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



95, 24.064, 95.490



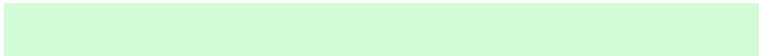
84, 24.548, 281.619

# Rectangle

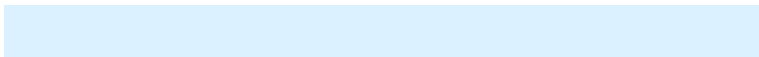
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 24.064, 95.490



95, 24.064, 145.490



95, 24.064, 275.490



95, 24.064, 325.490

# Sweetspot

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



95, 24.066, 95.496



99, 7.094, 97.490



84, 23.503, 3.257



52, 4.611, 97.421



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

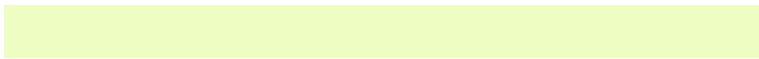
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 24.066, 95.496



94, 28.689, 94.942



97, 30.882, 119.088



52, 5.772, 97.200



63, 67.895, 84.889



21, 29.778, 87.223





# Inverse Universe

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



84, 24.548, 281.619



81, 29.395, 282.380



82, 32.417, 302.202



50, 5.825, 279.536



28, 90.938, 301.338



6, 36.360, 296.525



# Previews

## White Background



This preview shows how the CIE LCh color 95, 24.064, 95.490 looks on a white background.

## Color Contrast Check

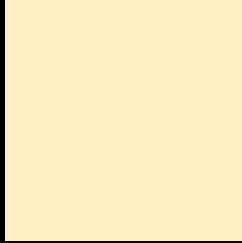
Large Text (above 18pt) WCAG AA × Fail

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, 24.064, 95.490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

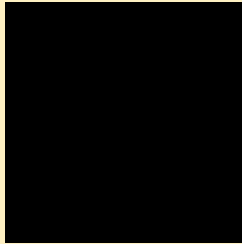
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 95, 24.064, 95.490

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 24.064, 95.490.



This preview shows how white text looks on a background with the CIELCh color 95, 24.064, 95.490.

# 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, 24.083, 95.479

### Protanopia

95, 23.678, 94.357

### Deuteranopia

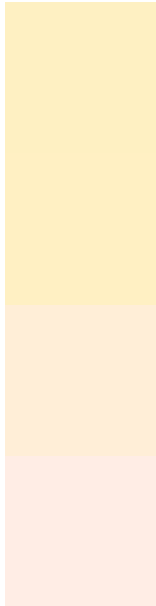
95, 8.646, 60.223



**Tritanopia**  
95, 9.757, 336.903



# Trichromacy



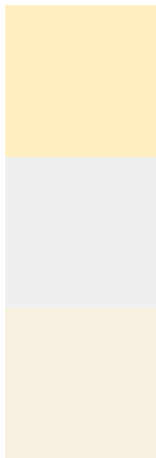
**Original Color**  
95, 24.083, 95.479

**Protanomaly**  
95, 23.678, 94.357

**Deuteranomaly**  
95, 13.358, 81.031

**Tritanomaly**  
95, 7.707, 51.734

# Monochromacy



**Original Color**  
95, 24.083, 95.479

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
95, 8.877, 97.648

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 24.064, 95.490 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, 240, 194)` looks like.

```
.text, #text, p{  
    color:rgb(254, 240, 194)  
}
```

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, 240, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 240, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 24.064, 95.490 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, 240, 194) }
```

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

```
.border{ border-color:rgb(254, 240, 194) }
```

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

Here you see how a box with a 4 pixel rgb(254, 240, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 240, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 240, 194);  
box-shadow:4px 4px 4px 4px rgb(254, 240,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 24.064, 95.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 240, 194) }
```

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

```
.background{ background-color: rgb(254,  
240, 194) }
```

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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