

Converting Colors

CIELCh(100, 36.816, 58.423)

Have a look what the booklet for
CIELCh(100, 36.816, 58.423)
contains.

CIELCh(95, 23.678, 94.357)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(95, 23.678, 94.357)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0C3
RGB	255, 240, 195
RGB Percent	100%, 94%, 76%
CMY	0.0000, 0.0583, 0.2348
CMYK	0.00, 0.06, 0.23, 0.00
HSL	45°, 100%, 88%
HSV	45°, 23%, 100%
XYZ	82.3428, 87.6183, 64.2704
YIQ	239.3550, 23.3850, -10.8150

Conversions

Conversions Part 2

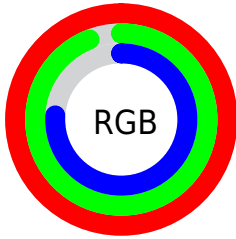
Format	Color
R _Y B	215, 255, 195
Decimal	16773315
CIE Lab	95.00, -1.80, 23.61
CIE LCh	95, 23.678, 94.357
Yxy	87.6183, 0.3515, 0.3741
Android (android.graphics.Color)	4294963395 (0xFFFFF0C3)
YUV	239.3550, -21.8670, 13.7207
Hunter-Lab	93.6047, -6.7840, 24.8138

Details

The CIELCh color **95, 23.678, 94.357** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 24.060, 280.642**, 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, 33.886, 93.196**, and if you desaturate by 10%, it is **97, 13.510, 95.710**.

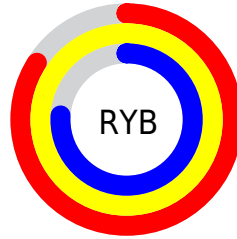
Distribution



Red (100%)

Green (94%)

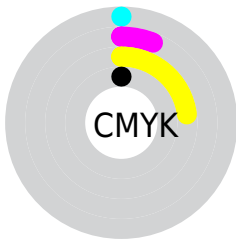
Blue (76%)



Red (84%)

Yellow (100%)

Blue (76%)

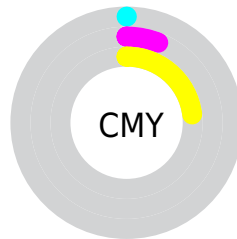


Cyan (0%)

Magenta (6%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 23.678, 94.357 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, 23.678, 94.357 by changing the saturation by 10% instead.

 95, 23.678, 94.357

 95, 23.678, 94.357

 100, 23.678,
94.357

 85, 23.678, 94.357

 75, 23.678, 94.357

 65, 23.678, 94.357

 55, 23.678, 94.357

 45, 23.678, 94.357

 35, 23.678, 94.357

 25, 23.678, 94.357

 15, 23.678, 94.357

 5, 23.678, 94.357

95, 23.678, 94.357

95, 23.678, 94.357

93, 33.886, 93.196

97, 13.510, 95.710

91, 44.072, 91.887

99, 3.460, 96.865

89, 54.054, 90.548

100, 0.012,
296.813

87, 63.523, 89.171

86, 71.962, 87.733

84, 78.597, 86.178

82, 82.560, 84.405

81, 83.749, 83.111

Harmonies

Complementary

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



95, 23.678, 94.357



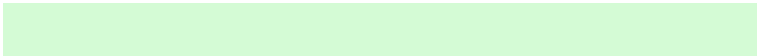
84, 24.060, 280.642

Rectangle

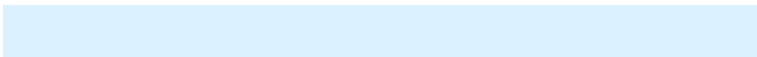
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 23.678, 94.357



95, 23.678, 144.357



95, 23.678, 274.357



95, 23.678, 324.357

Sweetspot

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



95, 23.668, 94.473



98, 6.981, 96.479



84, 23.583, 2.022



52, 4.538, 96.410



0, 0.000, 0.000



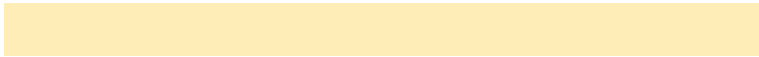
53, 0.007, 296.813

Same Dimension

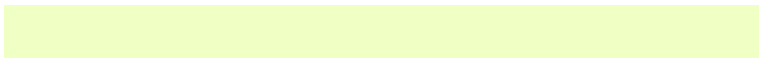
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 23.668, 94.473



94, 28.280, 93.900



98, 30.750, 118.419



52, 5.681, 96.187



62, 67.545, 83.506



21, 29.480, 85.950

Inverse Universe

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



84, 24.060, 280.642



81, 28.857, 281.425



82, 32.300, 301.615



50, 5.726, 278.552



29, 89.228, 300.744



7, 35.722, 295.950

Previews

White Background



This preview shows how the CIE LCh color 95, 23.678, 94.357 looks on a white background.

Color Contrast Check

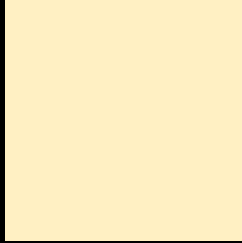
Large Text (above 18pt) WCAG AA × Fail

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, 23.678, 94.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

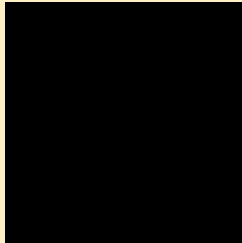
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 23.678, 94.357

Background



This preview shows how black text looks on a background with the CIELCh color 95, 23.678, 94.357.



This preview shows how white text looks on a background with the CIELCh color 95, 23.678, 94.357.

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

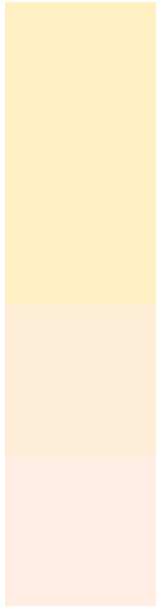
Deuteranopia

95, 8.646, 60.223



Tritanopia
95, 9.417, 339.180

Trichromacy



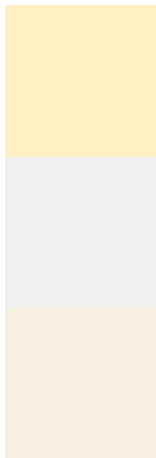
Original Color
95, 23.678, 94.357

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, 23.678, 94.357 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, 23.678, 94.357 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, 23.678, 94.357 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](#).

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