

Converting Colors

CIELCh(100, 58.268, 76.381)

Have a look what the booklet for
CIELCh(100, 58.268, 76.381)
contains.

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Color

CIELCh(95, 49.880, 100.673)

Conversions

Conversions Part 1

Format	Color
Hex	FFF390
RGB	255, 243, 144
RGB Percent	100%, 95%, 56%
CMY	0.0000, 0.0459, 0.4342
CMYK	0.00, 0.05, 0.43, 0.00
HSL	54°, 100%, 78%
HSV	54°, 43%, 100%
XYZ	78.5473, 87.6183, 39.2694
YIQ	235.3020, 38.9310, -28.2450

Conversions

Conversions Part 2

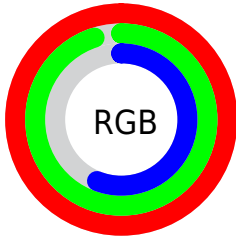
Format	Color
R_{YB}	157, 255, 144
Decimal	16774032
CIE _{Lab}	95.00, -9.24, 49.02
CIE _{LCh}	95, 49.880, 100.673
Yxy	87.6183, 0.3823, 0.4265
Android (android.graphics.Color)	4294964112 (0xFFFFF390)
YUV	235.3020, -45.0119, 17.2751
Hunter-Lab	93.6047, -14.0220, 40.6497

Details

The CIELCh color **95, 49.880, 100.673** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **67, 54.602, 292.056**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 28.233, 108.033**, and **75, 50.022, 100.414** is the 20% darker color. If you saturate the color by 10%, you get **94, 60.612, 99.741**, and if you desaturate by 10%, it is **96, 38.639, 101.914**.

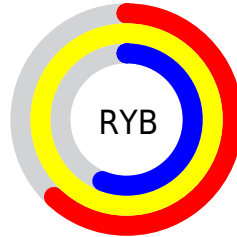
Distribution



Red (100%)

Green (95%)

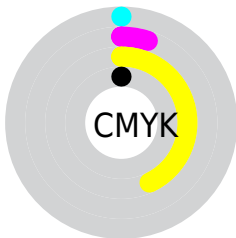
Blue (56%)



Red (62%)

Yellow (100%)

Blue (56%)

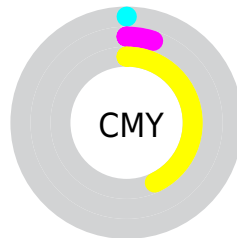


Cyan (0%)

Magenta (5%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 49.880, 100.673 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, 49.880, 100.673 by changing the saturation by 10% instead.

 95, 49.880,
100.673

 95, 49.880,
100.673


 100, 49.880,
100.673


 85, 49.880,
100.673

 75, 49.880,
100.673

 65, 49.880,
100.673

 55, 49.880,
100.673

 45, 49.880,
100.673

 35, 49.880,
100.673

 25, 49.880,

100.673

■ 15, 49.880,
100.673

■ 5, 49.880, 100.673

■ 95, 49.880,
100.673

■ 95, 49.880,
100.673

■ 94, 60.612, 99.741

■ 96, 38.639,
101.914

■ 93, 70.496, 98.702

■ 97, 27.159,
103.012

■ 92, 78.964, 97.719

■ 91, 85.305, 96.804

■ 98, 15.569,
104.097

■ 91, 88.881, 95.951

■ 100, 3.955,
105.139

■ 90, 89.875, 95.409

100, 0.012,
296.813

Harmonies

Complementary

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



95, 49.880, 100.673



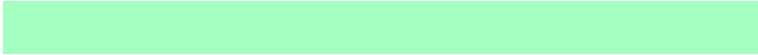
67, 54.602, 292.056

Rectangle

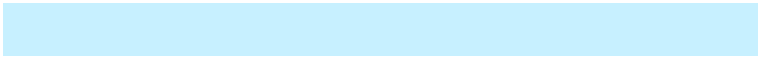
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 49.880, 100.673



95, 49.880, 150.673



95, 49.880, 280.673



95, 49.880, 330.673

Sweetspot

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



95, 49.868, 100.818



98, 15.083, 104.142



72, 44.578, 15.265



52, 10.555, 103.904



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

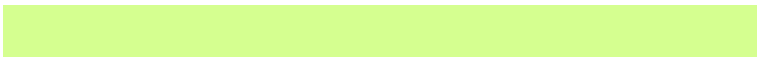
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 49.868, 100.818



94, 59.129, 99.892



95, 57.432, 122.649



53, 6.593, 104.514



70, 72.474, 95.549



24, 32.704, 96.686

Inverse Universe

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



67, 54.602, 292.056



61, 66.522, 293.935



68, 62.360, 307.618



49, 6.710, 286.609



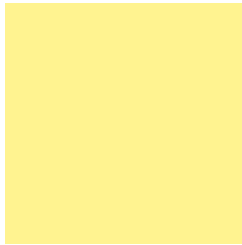
25, 102.510, 304.892



5, 40.768, 299.843

Previews

White Background



This preview shows how the CIELCh color 95, 49.880, 100.673 looks on a white background.

Color Contrast Check

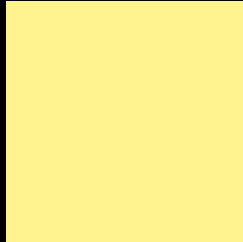
Large Text (above 18pt) WCAG AA × Fail

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, 49.880, 100.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

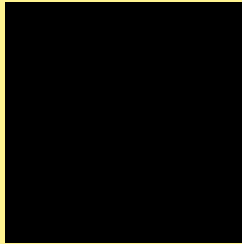
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 49.880, 100.673

Background



This preview shows how black text looks on a background with the CIELCh color 95, 49.880, 100.673.



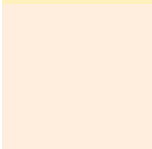



This preview shows how white text looks on a background with the CIELCh color 95, 49.880, 100.673.

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, 49.880, 100.673
	Protanopia 95, 28.036, 96.894
	Deuteranopia 95, 10.710, 73.734



Tritanopia
95, 8.787, 344.253

Trichromacy



Original Color
95, 49.880, 100.673



Protanomaly
95, 36.368, 99.251



Deuteranomaly
95, 24.668, 94.812

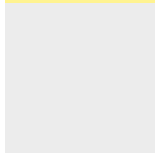


Tritanomaly
95, 16.631, 86.399

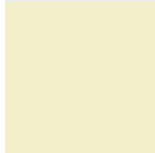
Monochromacy



Original Color
95, 49.880, 100.673



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 18.473, 104.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 49.880, 100.673 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, 243, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 144)  
}
```

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, 243, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 49.880, 100.673 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, 243, 144) }
```

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

```
.border{ border-color:rgb(255, 243, 144) }
```

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

Here you see how a box with a 4 pixel rgb(255, 243, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 49.880, 100.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 144) }
```

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

```
.background{ background-color: rgb(255,  
243, 144) }
```

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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