

Converting Colors

CIELCh(95, 46.559, 100.001)

Have a look what the booklet for
CIELCh(95, 46.559, 100.001)
contains.

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Color

CIELCh(95, 46.532, 100.578)

Conversions

Conversions Part 1

Format	Color
Hex	FFF397
RGB	255, 243, 151
RGB Percent	100%, 95%, 59%
CMY	0.0000, 0.0469, 0.4077
CMYK	0.00, 0.05, 0.41, 0.00
HSL	53°, 100%, 80%
HSV	53°, 41%, 100%
XYZ	78.8973, 87.6183, 42.0431
YIQ	236.1000, 36.6840, -26.0680

Conversions

Conversions Part 2

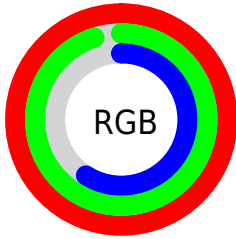
Format	Color
R _Y B	165, 255, 151
Decimal	16774039
CIE Lab	95.00, -8.54, 45.74
CIE LCh	95, 46.532, 100.578
Yxy	87.6183, 0.3783, 0.4201
Android (android.graphics.Color)	4294964119 (0xFFFFFFFF397)
YUV	236.1000, -41.9543, 16.5753
Hunter-Lab	93.6047, -13.3545, 38.8928

Details

The CIELCh color **95, 46.532, 100.578** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **69, 50.439, 291.092**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 24.734, 108.302**, and **75, 46.689, 100.417** is the 20% darker color. If you saturate the color by 10%, you get **94, 57.370, 99.494**, and if you desaturate by 10%, it is **96, 35.299, 101.707**.

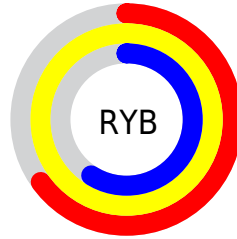
Distribution



Red (100%)

Green (95%)

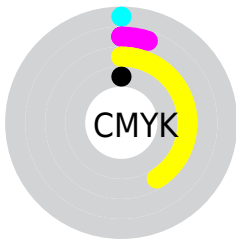
Blue (59%)



Red (65%)

Yellow (100%)

Blue (59%)

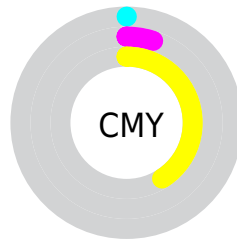


Cyan (0%)

Magenta (5%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 46.532, 100.578 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, 46.532, 100.578 by changing the saturation by 10% instead.


 95, 46.532,
100.578


 95, 46.532,
100.578


 100, 46.532,
100.578


 85, 46.532,
100.578

 75, 46.532,
100.578

 65, 46.532,
100.578

 55, 46.532,
100.578

 45, 46.532,
100.578

 35, 46.532,
100.578

 25, 46.532,

100.578

■ 15, 46.532,
100.578

■ 5, 46.532, 100.578

■ 95, 46.532,
100.578

■ 95, 46.532,
100.578

■ 94, 57.370, 99.494

■ 96, 35.299,
101.707

■ 93, 67.484, 98.421

■ 97, 23.873,
102.815

■ 92, 76.370, 97.393

■ 91, 83.342, 96.420

■ 99, 12.375,
103.903

■ 90, 87.692, 95.498

100, 0.876,
104.826

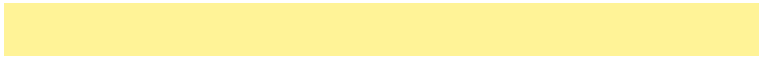
■ 90, 89.336, 94.671

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, 46.532, 100.578



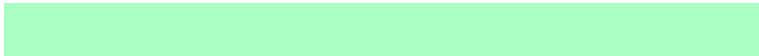
69, 50.439, 291.092

Rectangle

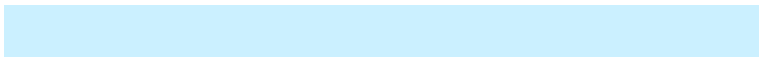
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 46.532, 100.578



95, 46.532, 150.578



95, 46.532, 280.578



95, 46.532, 330.578

Sweetspot

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



95, 46.532, 100.595



98, 13.787, 103.771



74, 41.623, 14.760



52, 9.146, 103.630



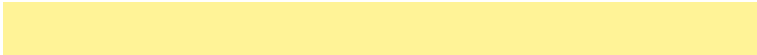
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

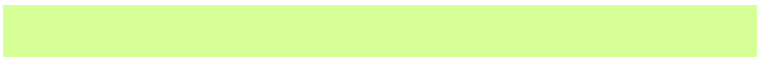
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 46.532, 100.595



94, 55.490, 99.688



95, 54.081, 122.775



53, 6.529, 104.038



69, 72.045, 94.826



24, 32.466, 96.059

Inverse Universe

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



69, 50.439, 291.092



63, 61.608, 292.838



70, 58.377, 307.425



49, 6.641, 286.150



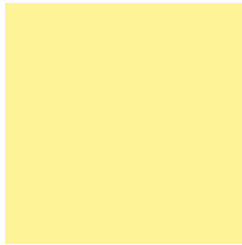
25, 101.861, 304.711



5, 40.467, 299.648

Previews

White Background



This preview shows how the CIE LCh color 95, 46.532, 100.578 looks on a white background.

Color Contrast Check

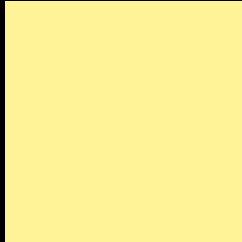
Large Text (above 18pt) WCAG AA × Fail

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, 46.532, 100.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

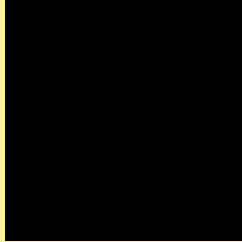
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 46.532, 100.578

Background



This preview shows how black text looks on a background with the CIELCh color 95, 46.532, 100.578.

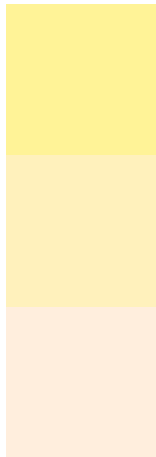


This preview shows how white text looks on a background with the CIELCh color 95, 46.532, 100.578.

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, 46.532, 100.578

Protanopia

95, 27.540, 96.746

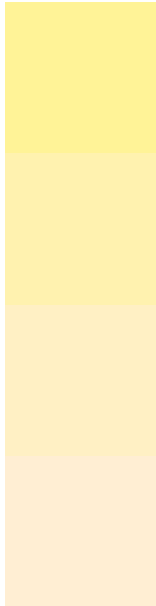
Deuteranopia

95, 10.710, 73.734



Tritanopia
95, 8.787, 344.253

Trichromacy



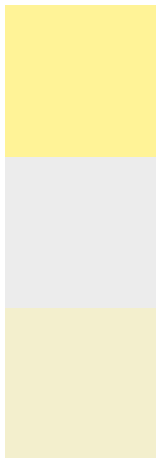
Original Color
95, 46.532, 100.578

Protanomaly
95, 34.392, 98.983

Deuteranomaly
95, 23.184, 94.112

Tritanomaly
95, 15.212, 84.398

Monochromacy



Original Color
95, 46.532, 100.578

Achromatopsia
93, 0.011, 296.813

Achromatomaly
94, 17.457, 103.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 46.532, 100.578 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 46.532, 100.578 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, 151) }
```

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

```
.border{ border-color:rgb(255, 243, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 46.532, 100.578 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, 151) }
```

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

```
.background{ background-color: rgb(255,  
243, 151) }
```

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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