

Converting Colors

CIELCh(95, 45.778, 101.473)

Have a look what the booklet for
CIELCh(95, 45.778, 101.473)
contains.

CIELCh(95, 45.524, 101.043)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(95, 45.524, 101.043)

Conversions

Conversions Part 1

Format	Color
Hex	FEF399
RGB	254, 243, 153
RGB Percent	100%, 95%, 60%
CMY	0.0032, 0.0463, 0.3993
CMYK	0.00, 0.04, 0.40, 0.00
HSL	53°, 98%, 80%
HSV	53°, 40%, 100%
XYZ	78.8077, 87.6183, 42.9680
YIQ	236.0290, 35.4460, -25.6580

Conversions

Conversions Part 2

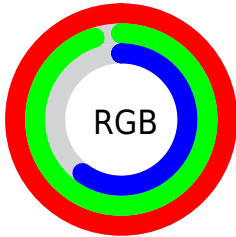
Format	Color
R_{YB}	165, 254, 153
Decimal	16708505
CIE _{Lab}	95.00, -8.72, 44.68
CIE _{LCh}	95, 45.524, 101.043
Yxy	87.6183, 0.3764, 0.4184
Android (android.graphics.Color)	4294898585 (0xFFFEF399)
YUV	236.0290, -40.9333, 15.7606
Hunter-Lab	93.6047, -13.5253, 38.3070

Details

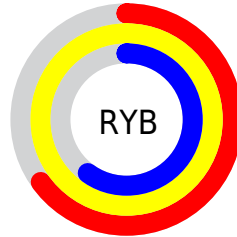
The CIELCh color **95, 45.524, 101.043** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 49.294, 291.168**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **75, 45.678, 100.946** is the 20% darker color. If you saturate the color by 10%, you get **94, 56.432, 99.955**, and if you desaturate by 10%, it is **96, 34.240, 102.149**.

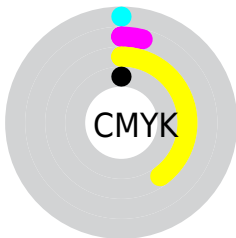
Distribution



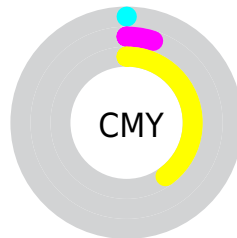
- Red (100%)
- Green (95%)
- Blue (60%)



- Red (65%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (4%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 45.524, 101.043 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, 45.524, 101.043 by changing the saturation by 10% instead.


 95, 45.524,
101.043


 95, 45.524,
101.043


 100, 45.524,
101.043


 85, 45.524,
101.043

 75, 45.524,
101.043

 65, 45.524,
101.043

 55, 45.524,
101.043

 45, 45.524,
101.043

 35, 45.524,
101.043

 25, 45.524,

101.043

■ 15, 45.524,
101.043

■ 5, 45.524, 101.043

■ 95, 45.524,
101.043

■ 95, 45.524,
101.043

■ 94, 56.432, 99.955

■ 96, 34.240,
102.149

■ 93, 66.645, 98.893

■ 97, 22.769,
103.248

■ 92, 75.681, 97.877

■ 91, 82.872, 96.923

■ 98, 11.230,
104.327

■ 91, 87.509, 96.032

100, 0.311,
285.823

■ 90, 89.435, 95.180

■ 90, 89.472, 95.158

100, 0.283,
201.728

Harmonies

Complementary

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



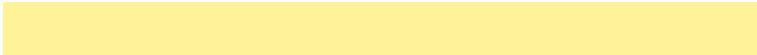
95, 45.524, 101.043



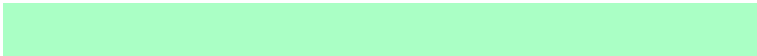
70, 49.294, 291.168

Rectangle

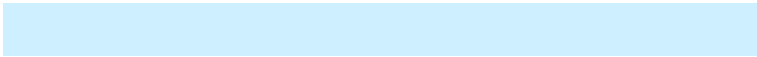
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 45.524, 101.043



95, 45.524, 151.043



95, 45.524, 281.043



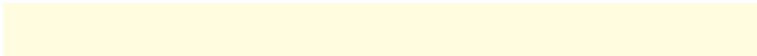
95, 45.524, 331.043

Sweetspot

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



95, 45.525, 101.047



98, 13.875, 104.086



74, 40.368, 14.570



52, 9.204, 103.945



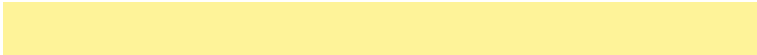
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

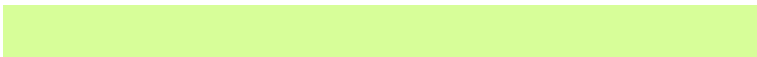
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 45.525, 101.047



94, 54.714, 100.143



95, 52.627, 122.826



53, 6.571, 104.352



69, 72.325, 95.301



24, 32.622, 96.472

Inverse Universe

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



70, 49.294, 291.168



64, 60.681, 292.890



70, 56.678, 307.349



49, 6.686, 286.452



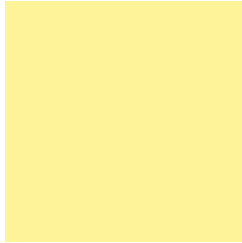
25, 102.292, 304.831



5, 40.664, 299.776

Previews

White Background



This preview shows how the CIE LCh color 95, 45.524, 101.043 looks on a white background.

Color Contrast Check

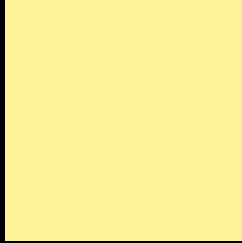
Large Text (above 18pt) WCAG AA × Fail

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, 45.524, 101.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

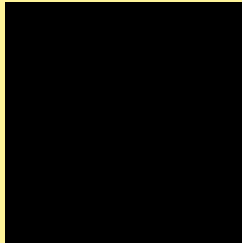
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 45.524, 101.043

Background



This preview shows how black text looks on a background with the CIELCh color 95, 45.524, 101.043.



This preview shows how white text looks on a background with the CIELCh color 95, 45.524, 101.043.

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, 45.524, 101.043

Protanopia
95, 27.540, 96.746

Deuteranopia
95, 10.710, 73.734



Tritanopia
95, 9.093, 341.628

Trichromacy



Original Color
95, 45.524, 101.043



Protanomaly
95, 34.392, 98.983



Deuteranomaly
95, 23.184, 94.112

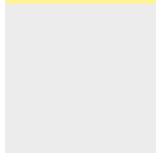


Tritanomaly
95, 14.744, 83.640

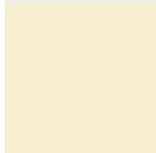
Monochromacy



Original Color
95, 45.524, 101.043



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 16.948, 103.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 45.524, 101.043 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, 243, 153)` looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 153)  
}
```

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, 243, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 45.524, 101.043 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, 243, 153) }
```

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

```
.border{ border-color:rgb(254, 243, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 243, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 153);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 45.524, 101.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 153) }
```

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

```
.background{ background-color: rgb(254,  
243, 153) }
```

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