

Converting Colors

CIELCh(100, 53.485, 75.253)

Have a look what the booklet for
CIELCh(100, 53.485, 75.253)
contains.

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Color

CIELCh(95, 45.085, 100.520)

Conversions

Conversions Part 1

Format	Color
Hex	FFF39A
RGB	255, 243, 154
RGB Percent	100%, 95%, 60%
CMY	0.0004, 0.0474, 0.3964
CMYK	0.00, 0.05, 0.40, 0.00
HSL	53°, 100%, 80%
HSV	53°, 40%, 100%
XYZ	79.0538, 87.6183, 43.2797
YIQ	236.4420, 35.7210, -25.1350

Conversions

Conversions Part 2

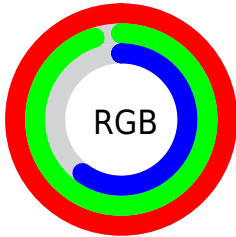
Format	Color
R _Y B	168, 255, 154
Decimal	16774042
CIE Lab	95.00, -8.23, 44.33
CIE LCh	95, 45.085, 100.520
Yxy	87.6183, 0.3765, 0.4173
Android (android.graphics.Color)	4294964122 (0xFFFFF39A)
YUV	236.4420, -40.6439, 16.2754
Hunter-Lab	93.6047, -13.0561, 38.1095

Details

The CIELCh color **95, 45.085, 100.520** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 48.674, 290.694**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **75, 45.235, 100.404** is the 20% darker color. If you saturate the color by 10%, you get **94, 55.955, 99.414**, and if you desaturate by 10%, it is **96, 33.858, 101.641**.

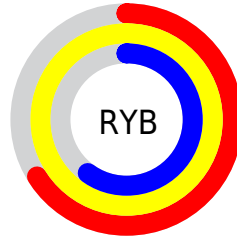
Distribution



Red (100%)

Green (95%)

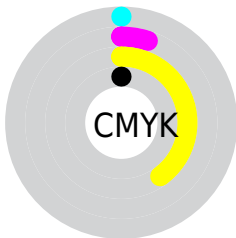
Blue (60%)



Red (66%)

Yellow (100%)

Blue (60%)

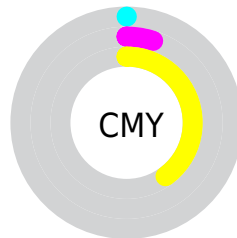


Cyan (0%)

Magenta (5%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 45.085, 100.520 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, 45.085, 100.520 by changing the saturation by 10% instead.


 95, 45.085,
100.520


 95, 45.085,
100.520


 100, 45.085,
100.520


 85, 45.085,
100.520

 75, 45.085,
100.520

 65, 45.085,
100.520

 55, 45.085,
100.520

 45, 45.085,
100.520

 35, 45.085,
100.520

 25, 45.085,

100.520

■ 15, 45.085,
100.520

■ 5, 45.085, 100.520

■ 95, 45.085,
100.520

■ 95, 45.085,
100.520

■ 94, 55.955, 99.414

■ 96, 33.858,
101.641

■ 93, 66.154, 98.329

■ 97, 22.459,
102.751

■ 92, 75.202, 97.283

■ 91, 82.431, 96.289

■ 99, 11.001,
103.840

■ 90, 87.113, 95.342

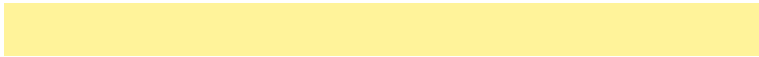
100, 0.034,
219.539

■ 89, 89.054, 94.418

Harmonies

Complementary

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



95, 45.085, 100.520



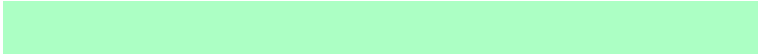
70, 48.674, 290.694

Rectangle

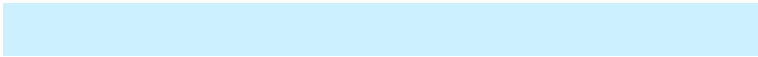
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 45.085, 100.520



95, 45.085, 150.520



95, 45.085, 280.520



95, 45.085, 330.520

Sweetspot

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



95, 45.086, 100.524



98, 13.736, 103.584



74, 40.310, 13.279



52, 9.112, 103.442



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

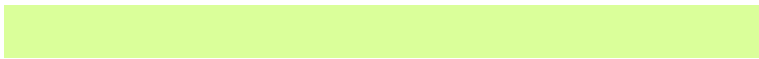
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 45.086, 100.524



94, 54.248, 99.592



95, 52.400, 122.178



53, 6.505, 103.852



69, 71.882, 94.543



23, 32.375, 95.813

Inverse Universe

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



70, 48.674, 290.694



64, 59.967, 292.451



70, 56.542, 306.809



49, 6.615, 285.970



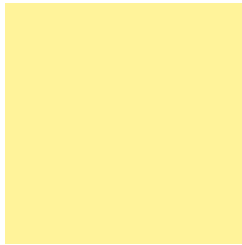
25, 101.600, 304.638



5, 40.351, 299.572

Previews

White Background



This preview shows how the CIE LCh color 95, 45.085, 100.520 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, 45.085, 100.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

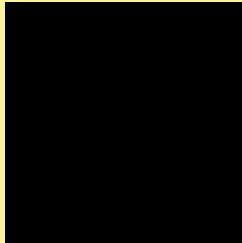
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 45.085, 100.520

Background



This preview shows how black text looks on a background with the CIELCh color 95, 45.085, 100.520.



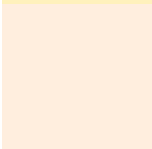


This preview shows how white text looks on a background with the CIELCh color 95, 45.085, 100.520.

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, 45.085, 100.520
	Protanopia 95, 27.540, 96.746
	Deuteranopia 95, 10.292, 72.147

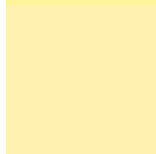


Tritanopia
95, 9.093, 341.628

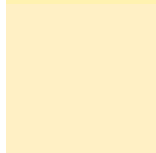
Trichromacy



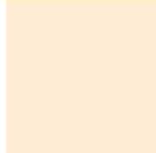
Original Color
95, 45.085, 100.520



Protanomaly
95, 33.897, 98.908



Deuteranomaly
95, 22.690, 93.854

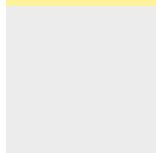


Tritanomaly
95, 14.279, 82.829

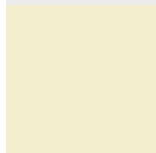
Monochromacy



Original Color
95, 45.085, 100.520



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, 45.085, 100.520 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 45.085, 100.520 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, 154) }
```

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

```
.border{ border-color:rgb(255, 243, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 45.085, 100.520 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, 154) }
```

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

```
.background{ background-color: rgb(255,  
243, 154) }
```

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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