

Converting Colors

CIELCh(99, 60.228, 68.205)

Have a look what the booklet for
CIELCh(99, 60.228, 68.205) contains.

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Color

CIELCh(93, 46.897, 95.942)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB90
RGB	255, 235, 144
RGB Percent	100%, 92%, 56%
CMY	0.0000, 0.0780, 0.4351
CMYK	0.00, 0.08, 0.44, 0.00
HSL	49°, 100%, 78%
HSV	49°, 44%, 100%
XYZ	76.4383, 82.9670, 38.3855
YIQ	230.6060, 41.1310, -24.0610

Conversions

Conversions Part 2

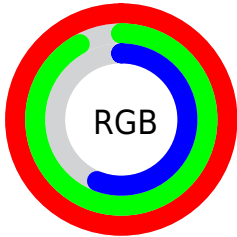
Format	Color
R _Y B	168, 255, 144
Decimal	16771984
CIE Lab	93.00, -4.85, 46.65
CIE LCh	93, 46.897, 95.942
Yxy	82.9670, 0.3865, 0.4195
Android (android.graphics.Color)	4294962064 (0xFFFFE90)
YUV	230.6060, -42.6968, 21.3935
Hunter-Lab	91.0862, -9.6063, 38.7744

Details

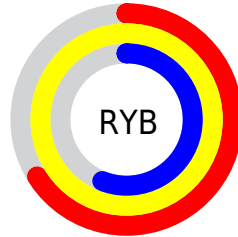
The CIELCh color **93, 46.897, 95.942** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **69, 50.035, 288.515**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 28.233, 108.033**, and **73, 46.484, 95.918** is the 20% darker color. If you saturate the color by 10%, you get **91, 57.114, 95.292**, and if you desaturate by 10%, it is **94, 36.153, 97.721**.

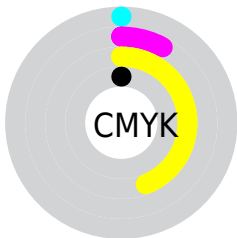
Distribution



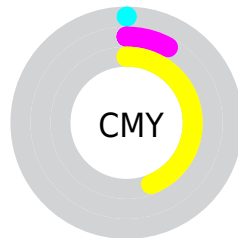
- Red (100%)
- Green (92%)
- Blue (56%)



- Red (66%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (8%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 46.897, 95.942 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 93, 46.897, 95.942 by changing the saturation by 10% instead.

 93, 46.897, 95.942

 93, 46.897, 95.942

 100, 46.897,
95.942

 83, 46.897, 95.942

 73, 46.897, 95.942

 63, 46.897, 95.942

 53, 46.897, 95.942

 43, 46.897, 95.942

 33, 46.897, 95.942

 23, 46.897, 95.942

 13, 46.897, 95.942

 3, 46.897, 95.942

■ 93, 46.897, 95.942

■ 93, 46.897, 95.942

■ 91, 57.114, 95.292

■ 94, 36.153, 97.721

■ 90, 66.730, 94.070

■ 96, 25.358, 98.914

■ 89, 75.111, 92.842

■ 98, 14.538,
100.079

■ 87, 81.503, 91.589

■ 99, 3.760, 101.182

■ 86, 85.147, 90.263

■ 100, 0.012,
296.813

■ 86, 86.141, 89.348

Harmonies

Complementary

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



93, 46.897, 95.942



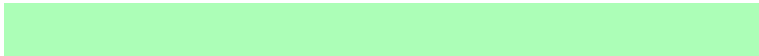
69, 50.035, 288.515

Rectangle

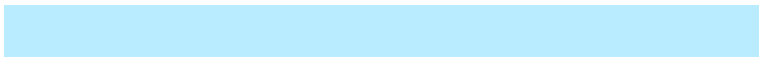
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 46.897, 95.942



93, 46.897, 145.942



93, 46.897, 275.942



93, 46.897, 325.942

Sweetspot

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



93, 46.807, 96.510



98, 13.982, 100.138



72, 44.652, 10.214



52, 9.791, 99.884



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

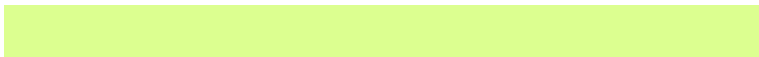
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 46.807, 96.510



92, 55.587, 95.476



95, 56.743, 119.971



52, 6.107, 100.534



66, 69.488, 89.613



22, 30.928, 91.482

Inverse Universe

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



69, 50.035, 288.515



63, 60.707, 290.477



67, 62.221, 305.558



49, 6.187, 282.766



27, 96.502, 303.141



6, 38.392, 298.186

Previews

White Background



This preview shows how the CIELCh color 93, 46.897, 95.942 looks on a white background.

Color Contrast Check

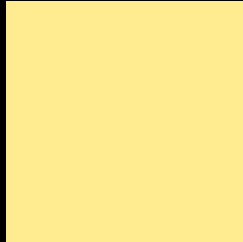
Large Text (above 18pt) WCAG AA × Fail

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 93, 46.897, 95.942 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 93, 46.897, 95.942

Background



This preview shows how black text looks on a background with the CIELCh color 93, 46.897, 95.942.

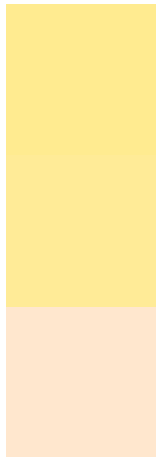


This preview shows how white text looks on a background with the CIELCh color 93, 46.897, 95.942.

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


93, 46.786, 96.453

Protanopia

93, 43.414, 96.022

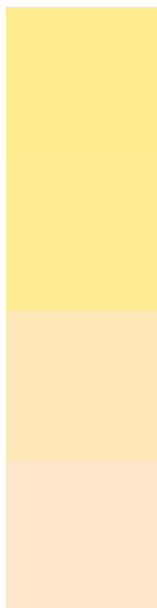
Deuteranopia

93, 15.747, 74.082



Tritanopia
93, 11.795, 348.641

Trichromacy



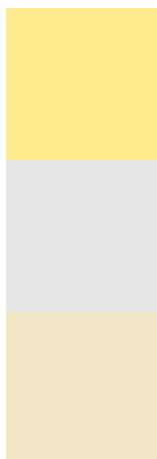
Original Color
93, 46.786, 96.453

Protanomaly
93, 44.863, 96.220

Deuteranomaly
93, 26.733, 88.580

Tritanomaly
93, 16.415, 73.942

Monochromacy



Original Color
93, 46.786, 96.453

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 17.236, 98.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 46.897, 95.942 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, 235, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 46.897, 95.942 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, 235, 144) }
```

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

```
.border{ border-color:rgb(255, 235, 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, 235, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 46.897, 95.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 144) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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