

Converting Colors

CIELCh(100, 67.421, 69.164)

Have a look what the booklet for
CIELCh(100, 67.421, 69.164)
contains.

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Color

CIELCh(93, 52.942, 97.013)

Conversions

Conversions Part 1

Format	Color
Hex	FFEC84
RGB	255, 236, 132
RGB Percent	100%, 93%, 52%
CMY	0.0000, 0.0752, 0.4832
CMYK	0.00, 0.08, 0.48, 0.00
HSL	51°, 100%, 76%
HSV	51°, 48%, 100%
XYZ	75.6475, 82.9670, 33.7740
YIQ	229.8250, 44.7080, -28.3160

Conversions

Conversions Part 2

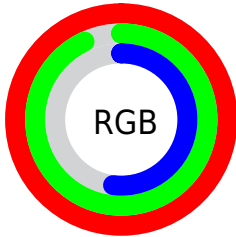
Format	Color
RYB	154, 255, 132
Decimal	16772228
CIELab	93.00, -6.46, 52.55
CIELCh	93, 52.942, 97.013
Yxy	82.9670, 0.3932, 0.4312
Android (android.graphics.Color)	4294962308 (0xFFFFEC84)
YUV	229.8250, -48.2277, 22.0785
Hunter-Lab	91.0862, -11.1560, 41.7761

Details

The CIELCh color **93, 52.942, 97.013** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **65, 57.735, 290.789**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **73, 52.835, 97.341** is the 20% darker color. If you saturate the color by 10%, you get **92, 63.015, 96.224**, and if you desaturate by 10%, it is **94, 42.208, 98.569**.

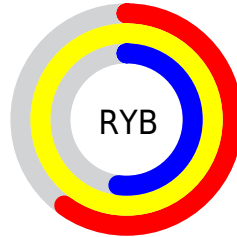
Distribution



Red (100%)

Green (93%)

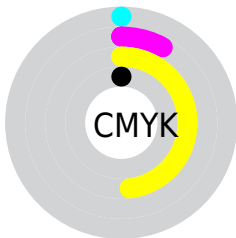
Blue (52%)



Red (60%)

Yellow (100%)

Blue (52%)

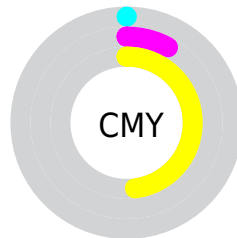


Cyan (0%)

Magenta (8%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 52.942, 97.013 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, 52.942, 97.013 by changing the saturation by 10% instead.

 93, 52.942, 97.013

 93, 52.942, 97.013

 100, 52.942,
97.013

 83, 52.942, 97.013

 73, 52.942, 97.013

 63, 52.942, 97.013

 53, 52.942, 97.013

 43, 52.942, 97.013

 33, 52.942, 97.013

 23, 52.942, 97.013

 13, 52.942, 97.013

 3, 52.942, 97.013

■ 93, 52.942, 97.013

■ 93, 52.942, 97.013

■ 92, 63.015, 96.224

■ 94, 42.208, 98.569

■ 90, 72.162, 95.067

■ 96, 31.266, 99.739

■ 89, 79.670, 93.922

■ 97, 20.219,
100.891

■ 88, 84.762, 92.771

■ 99, 9.162, 102.011

■ 87, 86.984, 91.572

100, 0.012,
296.813

■ 87, 87.217, 91.368

Harmonies

Complementary

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



93, 52.942, 97.013



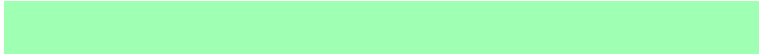
65, 57.735, 290.789

Rectangle

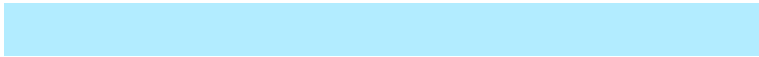
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 52.942, 97.013



93, 52.942, 147.013



93, 52.942, 277.013



93, 52.942, 327.013

Sweetspot

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



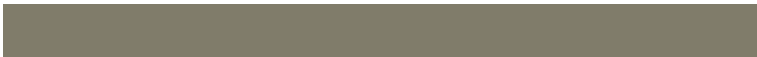
93, 52.883, 97.394



98, 15.434, 101.381



69, 49.889, 12.491



52, 10.660, 101.137



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

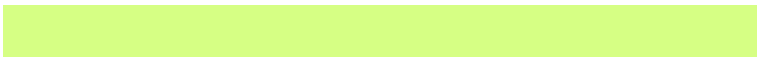
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 52.883, 97.394



92, 62.699, 96.262



95, 62.827, 120.423



52, 6.260, 101.881



67, 70.352, 91.591



23, 31.476, 93.231

Inverse Universe

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



65, 57.735, 290.789



58, 70.564, 293.147



64, 69.578, 306.480



49, 6.352, 284.068



26, 98.657, 303.790



5, 39.174, 298.763

Previews

White Background



This preview shows how the CIE LCh color 93, 52.942, 97.013 looks on a white background.

Color Contrast Check

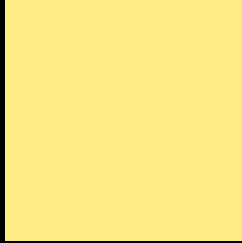
Large Text (above 18pt) WCAG AA × Fail

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, 52.942, 97.013 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, 52.942, 97.013

Background



This preview shows how black text looks on a background with the CIELCh color 93, 52.942, 97.013.

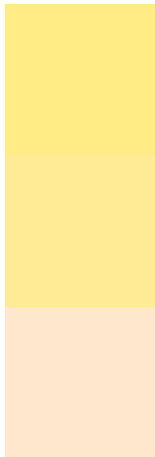


This preview shows how white text looks on a background with the CIELCh color 93, 52.942, 97.013.

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, 52.842, 97.475

Protanopia

93, 43.898, 96.090

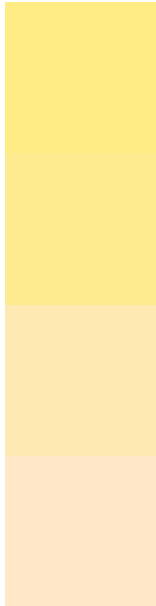
Deuteranopia

93, 16.179, 75.051



Tritanopia
93, 10.979, 352.221

Trichromacy



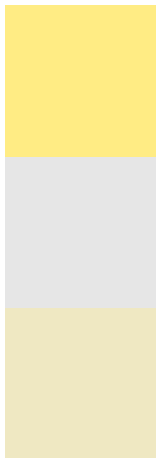
Original Color
93, 52.842, 97.475

Protanomaly
93, 47.265, 96.506

Deuteranomaly
93, 29.502, 90.923

Tritanomaly
93, 18.859, 79.863

Monochromacy



Original Color
93, 52.842, 97.475

Achromatopsia
91, 0.011, 296.813

Achromatomaly
92, 19.714, 100.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 52.942, 97.013 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, 236, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 132)  
}
```

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, 236, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 52.942, 97.013 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, 236, 132) }
```

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

```
.border{ border-color:rgb(255, 236, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 52.942, 97.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 132) }
```

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

```
.background{ background-color: rgb(255,  
236, 132) }
```

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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