

Converting Colors

CIELCh(93, 47.961, 113.901)

Have a look what the booklet for
CIELCh(93, 47.961, 113.901)
contains.

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Color

CIElCh(93, 47.629, 113.582)

Conversions

Conversions Part 1

Format	Color
Hex	E4F395
RGB	228, 243, 149
RGB Percent	89%, 95%, 58%
CMY	0.1049, 0.0460, 0.4147
CMYK	0.06, 0.00, 0.39, 0.05
HSL	70°, 80%, 77%
HSV	70°, 39%, 95%
XYZ	69.6470, 82.9670, 40.8776
YIQ	227.7990, 21.2340, -32.4140

Conversions

Conversions Part 2

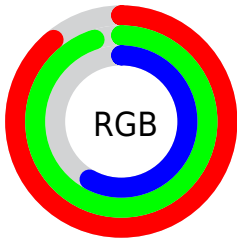
Format	Color
RYB	149, 243, 164
Decimal	15004565
CIELab	93.00, -19.05, 43.65
CIELCh	93, 47.629, 113.582
Yxy	82.9670, 0.3599, 0.4288
Android (android.graphics.Color)	4293194645 (0xFFE4F395)
YUV	227.7990, -38.8479, 0.1763
Hunter-Lab	91.0862, -22.9150, 37.1523

Details

The CIELCh color **93, 47.629, 113.582** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **67, 52.348, 300.184**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **73, 47.937, 113.692** is the 20% darker color. If you saturate the color by 10%, you get **92, 59.153, 112.915**, and if you desaturate by 10%, it is **94, 35.610, 114.308**.

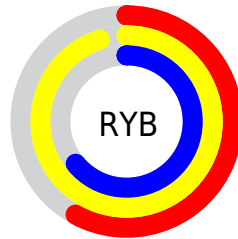
Distribution



Red (89%)

Green (95%)

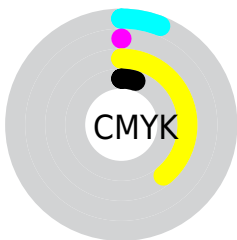
Blue (58%)



Red (58%)

Yellow (95%)

Blue (64%)

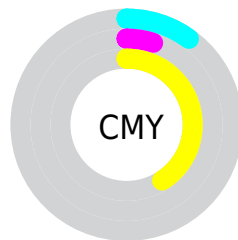


Cyan (6%)

Magenta (0%)

Yellow (39%)

Black (5%)



Cyan (10%)


Magenta (5%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 47.629, 113.582 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, 47.629, 113.582 by changing the saturation by 10% instead.


 93, 47.629,
113.582


 93, 47.629,
113.582


 100, 47.629,
113.582


 83, 47.629,
113.582

 73, 47.629,
113.582

 63, 47.629,
113.582

 53, 47.629,
113.582

 43, 47.629,
113.582

 33, 47.629,
113.582

 23, 47.629,

113.582

■ 13, 47.629,
113.582

■ 3, 47.629, 113.582

■ 93, 47.629,
113.582

■ 93, 47.629,
113.582

■ 92, 59.153,
112.915

■ 94, 35.610,
114.308

■ 92, 69.865,
112.348

■ 94, 23.298,
115.054

■ 91, 79.318,
111.947

■ 95, 10.829,
115.799

■ 91, 86.939,
111.794

■ 96, 1.706, 296.530

■ 97, 6.231, 304.823

■ 91, 92.172,
111.973

■ 97, 6.704, 316.085

■ 90, 94.893,
112.515

■ 97, 7.313, 324.654

■ 90, 95.175,
112.599

Harmonies

Complementary

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



93, 47.629, 113.582



67, 52.348, 300.184

Rectangle

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



93, 47.629, 113.582



93, 47.629, 163.582



93, 47.629, 293.582



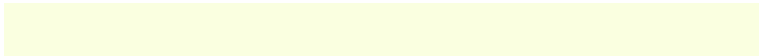
93, 47.629, 343.582

Sweetspot

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



93, 47.631, 113.585



99, 15.603, 115.548



75, 34.012, 34.831



53, 10.347, 115.451



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

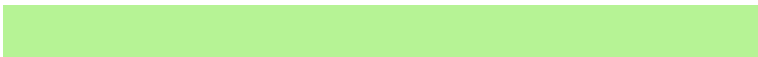
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 47.631, 113.585



97, 58.342, 113.077



90, 53.054, 132.272



51, 7.152, 115.737



71, 77.819, 112.447



23, 33.550, 111.839

Inverse Universe

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



67, 52.348, 300.184



64, 65.638, 301.153



71, 54.968, 315.815



47, 7.307, 297.167



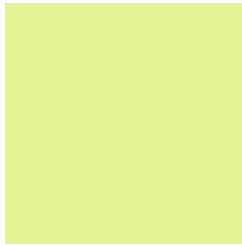
23, 104.530, 306.948



3, 40.385, 303.368

Previews

White Background



This preview shows how the CIELCh color 93, 47.629, 113.582 looks on a white background.

Color Contrast Check

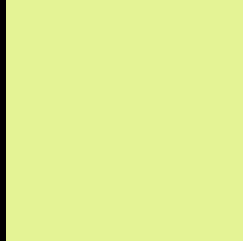
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 93, 47.629, 113.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

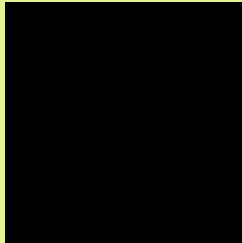
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 47.629, 113.582

Background



This preview shows how black text looks on a background with the CIELCh color 93, 47.629, 113.582.

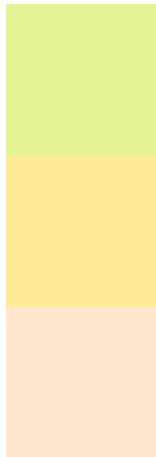


This preview shows how white text looks on a background with the CIELCh color 93, 47.629, 113.582.

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

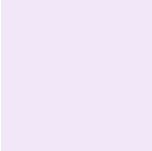
93, 47.629, 113.582

Protanopia

93, 43.414, 96.022

Deuteranopia

93, 15.319, 73.057

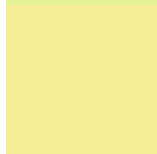


Tritanopia
93, 9.978, 311.279

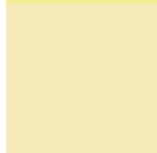
Trichromacy



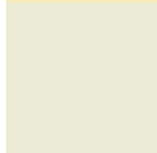
Original Color
93, 47.629, 113.582



Protanomaly
93, 44.561, 102.990



Deuteranomaly
93, 25.387, 99.434

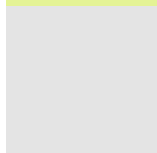


Tritanomaly
93, 11.310, 107.405

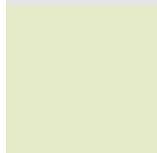
Monochromacy



Original Color
93, 47.629, 113.582



Achromatopsia
91, 0.011, 296.813



Achromatomaly
91, 18.148, 115.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 47.629, 113.582 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(228, 243, 149)` looks like.

```
.text, #text, p{  
    color:rgb(228, 243, 149)  
}
```

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(228, 243, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 243, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 47.629, 113.582 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(228, 243, 149) }
```

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

```
.border{ border-color:rgb(228, 243, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 243, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 243, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 243, 149); box-shadow:4px 4px 4px 4px rgb(228, 243, 149) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 47.629, 113.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 243, 149) }
```

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

```
.background{ background-color: rgb(228,  
243, 149) }
```

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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