

Converting Colors

CIELCh(93, 13.930, 307.777)

Have a look what the booklet for
CIELCh(93, 13.930, 307.777)
contains.

CIELCh(93, 13.627, 308.810)	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(93, 13.627, 308.810)

Conversions

Conversions Part 1

Format	Color
Hex	F2E6FF
RGB	242, 230, 255
RGB Percent	95%, 90%, 100%
CMY	0.0496, 0.0967, 0.0000
CMYK	0.05, 0.10, 0.00, 0.00
HSL	269°, 100%, 95%
HSV	269°, 10%, 100%
XYZ	83.2368, 82.9670, 106.5313
YIQ	236.4380, -0.8730, 10.3190

Conversions

Conversions Part 2

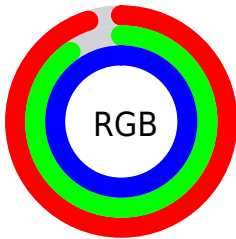
Format	Color
R _Y B	242, 230, 255
Decimal	15918847
CIE Lab	93.00, 8.54, -10.62
CIE LCh	93, 13.627, 308.810
Yxy	82.9670, 0.3052, 0.3042
Android (android.graphics.Color)	4294108927 (0xFF F2 E6 FF)
YUV	236.4380, 9.1511, 4.8779
Hunter-Lab	91.0862, 3.7166, -5.5831

Details

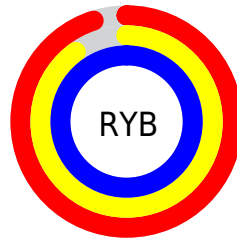
The CIELCh color `93, 13.627, 308.810` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `99, 13.259, 128.180`, and the grayscale version is `94, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `73, 13.175, 308.831` is the 20% darker color. If you saturate the color by 10%, you get `86, 27.761, 309.547`, and if you desaturate by 10%, it is `100, 0.012, 296.813`.

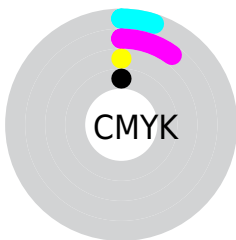
Distribution



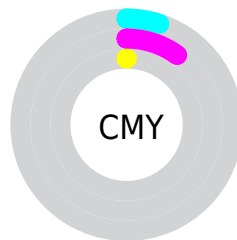
- Red (95%)
- Green (90%)
- Blue (100%)



- Red (95%)
- Yellow (90%)
- Blue (100%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 13.627, 308.810 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, 13.627, 308.810 by changing the saturation by 10% instead.


 93, 13.627,
308.810


 93, 13.627,
308.810


 100, 13.627,
308.810


 83, 13.627,
308.810

 73, 13.627,
308.810

 63, 13.627,
308.810

 53, 13.627,
308.810

 43, 13.627,
308.810

 33, 13.627,
308.810

 23, 13.627,

308.810

■ 13, 13.627,
308.810

■ 3, 13.627, 308.810

■ 93, 13.627,
308.810

■ 93, 13.627,
308.810

■ 86, 27.761,
309.547

100, 0.012,
296.813

■ 79, 42.425,
310.090

■ 72, 57.326,
310.654

■ 65, 72.235,
311.213

■ 58, 86.753,
311.716

■ 52, 100.235,
312.092

■ 47, 111.759,
312.234

■ 43, 120.258,
312.020

■ 41, 125.267,
311.400

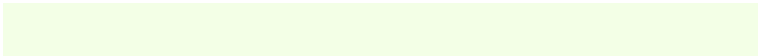
Harmonies

Complementary

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



93, 13.627, 308.810



99, 13.259, 128.180

Rectangle

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



93, 13.627, 308.810



93, 13.627, 358.810



93, 13.627, 128.810



93, 13.627, 178.810

Sweetspot

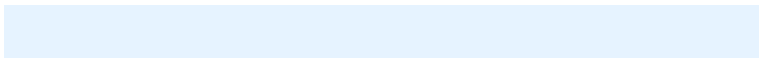
The Sweet Spot groups the original color and five complimentary colors.



93, 13.452, 309.039



98, 4.140, 308.706



95, 7.426, 254.907



52, 3.140, 308.749



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, 13.452, 309.039



91, 16.755, 309.155



94, 15.321, 324.503



49, 7.910, 309.031



30, 100.819, 311.574



6, 44.911, 312.515

Inverse Universe

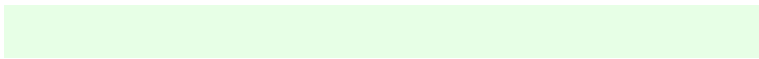
The Inverse Universe completely reimagines the original color for something new.



94, 10.951, 343.710



92, 13.630, 343.925



98, 15.294, 143.456



50, 6.439, 343.696



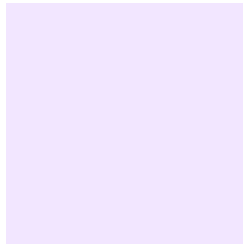
41, 68.406, 0.861



10, 31.999, 355.468

Previews

White Background



This preview shows how the CIE LCh color 93, 13.627, 308.810 looks on a white background.

Color Contrast Check

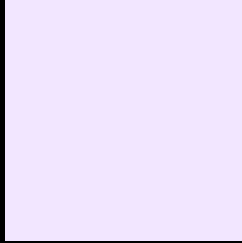
Large Text (above 18pt) WCAG AA × Fail

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, 13.627, 308.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

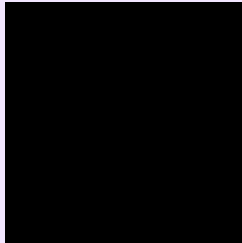
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

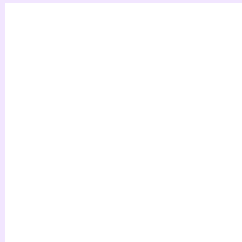
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 13.627, 308.810

Background



This preview shows how black text looks on a background with the CIELCh color 93, 13.627, 308.810.

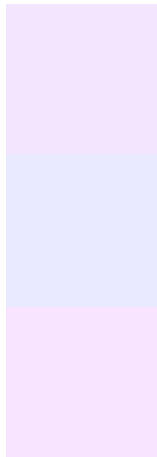


This preview shows how white text looks on a background with the CIELCh color 93, 13.627, 308.810.

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

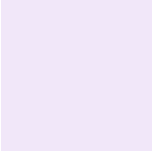
93, 13.627, 308.810

Protanopia

93, 11.367, 291.076

Deuteranopia

93, 15.654, 317.449



Tritanopia
93, 9.978, 311.279

Trichromacy



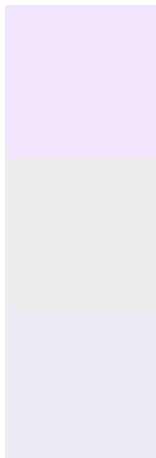
Original Color
93, 13.627, 308.810

Protanomaly
93, 11.990, 297.666

Deuteranomaly
93, 14.736, 314.669

Tritanomaly
93, 10.950, 309.413

Monochromacy



Original Color
93, 13.627, 308.810

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 4.872, 307.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 13.627, 308.810 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(242, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 230, 255)  
}
```

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(242, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 230, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 13.627, 308.810 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(242, 230, 255) }
```

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

```
.border{ border-color:rgb(242, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 230,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 13.627, 308.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 230, 255) }
```

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

```
.background{ background-color: rgb(242,  
230, 255) }
```

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