

Converting Colors

CIELCh(91, 18.733, 313.950)

Have a look what the booklet for
CIELCh(91, 18.733, 313.950)
contains.

CIELCh(91, 18.684, 314.223)	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(91, 18.684, 314.223)

Conversions

Conversions Part 1

Format	Color
Hex	F3DEFF
RGB	243, 222, 255
RGB Percent	95%, 87%, 100%
CMY	0.0472, 0.1296, 0.0002
CMYK	0.05, 0.13, 0.00, 0.00
HSL	278°, 100%, 94%
HSV	278°, 13%, 100%
XYZ	81.0994, 78.4833, 105.4448
YIQ	232.0410, 1.9230, 14.7150

Conversions

Conversions Part 2

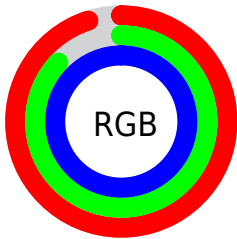
Format	Color
R_{YB}	243, 222, 255
Decimal	15982335
CIE _{Lab}	91.00, 13.03, -13.39
CIE _{LCh}	91, 18.684, 314.223
Yxy	78.4833, 0.3060, 0.2961
Android (android.graphics.Color)	4294172415 (0xFFFF3DEFF)
YUV	232.0410, 11.3188, 9.6110
Hunter-Lab	88.5908, 8.3718, -8.5561

Details

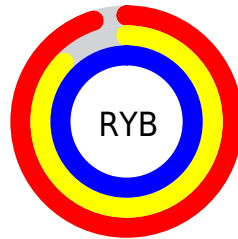
The CIELCh color `91, 18.684, 314.223` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 18.446, 133.133`, and the grayscale version is `92, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `71, 18.497, 314.621` is the 20% darker color. If you saturate the color by 10%, you get `84, 33.469, 314.674`, and if you desaturate by 10%, it is `98, 4.201, 313.759`.

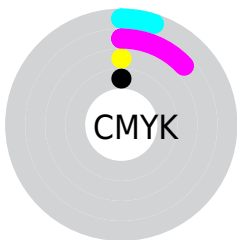
Distribution



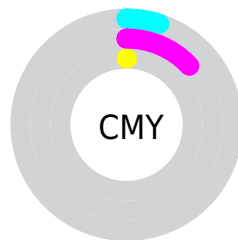
- Red (95%)
- Green (87%)
- Blue (100%)



- Red (95%)
- Yellow (87%)
- Blue (100%)



- Cyan (5%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (13%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 18.684, 314.223 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 91, 18.684, 314.223 by changing the saturation by 10% instead.


 91, 18.684,
314.223


 91, 18.684,
314.223


 100, 18.684,
314.223


 81, 18.684,
314.223


 71, 18.684,
314.223

 61, 18.684,
314.223

 51, 18.684,
314.223

 41, 18.684,
314.223

 31, 18.684,
314.223

 21, 18.684,

314.223

■ 11, 18.684,
314.223

■ 1, 18.684, 314.223

■ 91, 18.684,
314.223

■ 91, 18.684,
314.223

■ 84, 33.469,
314.674

■ 98, 4.201, 313.759

■ 77, 48.435,
315.131

100, 0.010,
102.629

■ 71, 63.359,
315.569

■ 65, 77.883,
315.956

■ 59, 91.469,
316.239

■ 54, 103.381,
316.352

■ 50, 112.759,
316.212

■ 47, 118.878,
315.742

■ 46, 121.399,
315.226

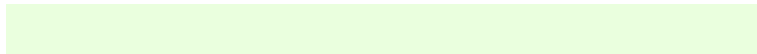
Harmonies

Complementary

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



91, 18.684, 314.223



98, 18.446, 133.133

Rectangle

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



91, 18.684, 314.223



91, 18.684, 4.223



91, 18.684, 134.223



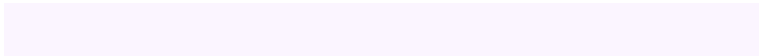
91, 18.684, 184.223

Sweetspot

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



91, 18.681, 314.222



97, 5.718, 313.815



92, 11.457, 270.176



51, 4.066, 313.852



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 18.681, 314.222



89, 23.179, 314.359



92, 18.842, 329.062



49, 8.176, 314.068



34, 97.667, 315.408



7, 44.498, 316.694

Inverse Universe

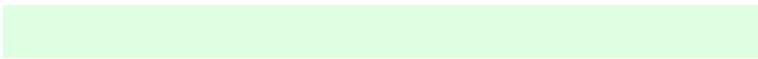
The Inverse Universe completely reimagines the original color for something new.



91, 13.420, 352.904



89, 16.677, 353.236



97, 18.800, 147.487



50, 5.862, 352.539



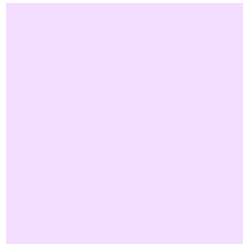
40, 68.927, 15.318



10, 31.290, 7.878

Previews

White Background



This preview shows how the CIELCh color 91, 18.684, 314.223 looks on a white background.

Color Contrast Check

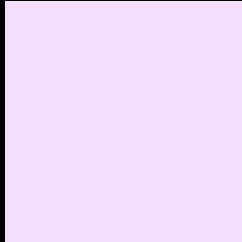
Large Text (above 18pt) WCAG AA × Fail

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 91, 18.684, 314.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

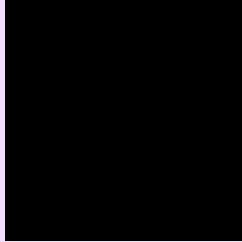
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

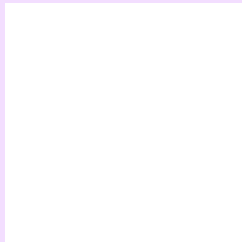
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 18.684, 314.223

Background



This preview shows how black text looks on a background with the CIELCh color 91, 18.684, 314.223.



This preview shows how white text looks on a background with the CIELCh color 91, 18.684, 314.223.

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 91, 18.684, 314.223
	Protanopia 91, 14.024, 287.155
	Deuteranopia 91, 17.692, 310.704



Tritanopia
91, 11.148, 323.305

Trichromacy



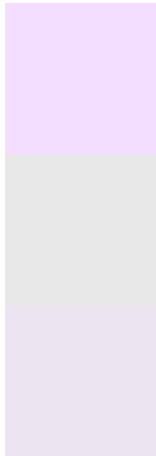
Original Color
91, 18.684, 314.223

Protanomaly
91, 15.228, 299.079

Deuteranomaly
91, 17.809, 311.759

Tritanomaly
91, 14.182, 318.974

Monochromacy



Original Color
91, 18.684, 314.223

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 6.863, 314.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 18.684, 314.223 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(243, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 222, 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(243, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 222, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 18.684, 314.223 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(243, 222, 255) }
```

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

```
.border{ border-color:rgb(243, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 222,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 18.684, 314.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 222, 255) }
```

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

```
.background{ background-color: rgb(243,  
222, 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