

Converting Colors

CIELCh(93, 18.869, 82.504)

Have a look what the booklet for
CIELCh(93, 18.869, 82.504) contains.

CIELCh(93, 18.940, 82.581)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(93, 18.940, 82.581)

Conversions

Conversions Part 1

Format	Color
Hex	FEE8C7
RGB	254, 232, 199
RGB Percent	100%, 91%, 78%
CMY	0.0036, 0.0899, 0.2193
CMYK	0.00, 0.09, 0.22, 0.00
HSL	36°, 97%, 89%
HSV	36°, 22%, 100%
XYZ	80.0955, 82.9670, 65.8693
YIQ	234.8160, 23.7050, -5.5990

Conversions

Conversions Part 2

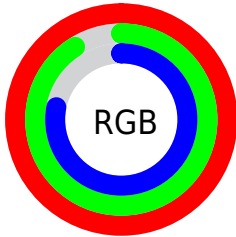
Format	Color
R _Y B	236, 254, 199
Decimal	16705735
CIE Lab	93.00, 2.45, 18.78
CIE LCh	93, 18.940, 82.581
Yxy	82.9670, 0.3499, 0.3624
Android (android.graphics.Color)	4294895815 (0xFFFE8C7)
YUV	234.8160, -17.6573, 16.8244
Hunter-Lab	91.0862, -2.4392, 20.8846

Details

The CIELCh color **93, 18.940, 82.581** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **88, 18.493, 268.678**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 18.855, 81.642** is the 20% darker color. If you saturate the color by 10%, you get **90, 28.116, 81.231**, and if you desaturate by 10%, it is **96, 10.032, 83.901**.

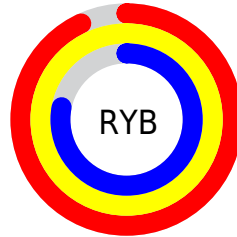
Distribution



Red (100%)

Green (91%)

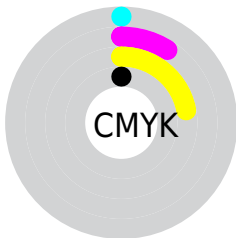
Blue (78%)



Red (93%)

Yellow (100%)

Blue (78%)

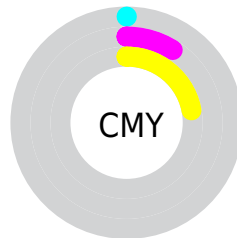


Cyan (0%)

Magenta (9%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 18.940, 82.581 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, 18.940, 82.581 by changing the saturation by 10% instead.

 93, 18.940, 82.581

 93, 18.940, 82.581

 100, 18.940,
82.581

 83, 18.940, 82.581

 73, 18.940, 82.581

 63, 18.940, 82.581

 53, 18.940, 82.581

 43, 18.940, 82.581

 33, 18.940, 82.581

 23, 18.940, 82.581

 13, 18.940, 82.581

 3, 18.940, 82.581

93, 18.940, 82.581

93, 18.940, 82.581

90, 28.116, 81.231

96, 10.032, 83.901

87, 37.529, 79.832

99, 1.390, 84.971

84, 47.096, 78.390

100, 0.321,
201.453

82, 56.629, 76.884

79, 65.754, 75.258

76, 73.787, 73.393

74, 79.711, 71.071

72, 82.685, 68.678

Harmonies

Complementary

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



93, 18.940, 82.581



88, 18.493, 268.678

Rectangle

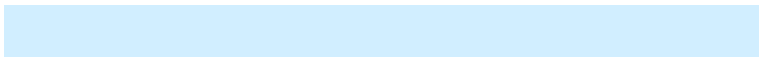
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 18.940, 82.581



93, 18.940, 132.581



93, 18.940, 262.581



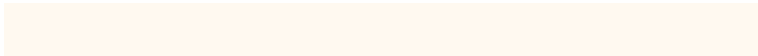
93, 18.940, 312.581

Sweetspot

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



93, 18.941, 82.590



98, 5.134, 84.599



86, 23.128, 351.538



52, 3.409, 84.521



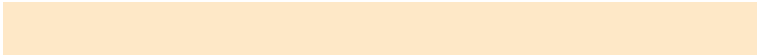
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 18.941, 82.590



92, 22.970, 82.003



98, 27.848, 112.325



52, 4.894, 84.172



55, 66.705, 69.313



18, 27.382, 71.874

Inverse Universe

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



88, 18.493, 268.678



85, 22.304, 269.472



82, 29.280, 296.186



50, 4.854, 266.753



36, 70.580, 292.524



10, 28.355, 286.807

Previews

White Background



This preview shows how the CIE LCh color 93, 18.940, 82.581 looks on a white background.

Color Contrast Check

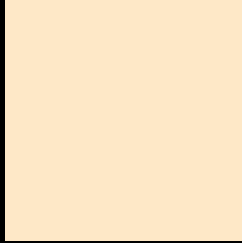
Large Text (above 18pt) WCAG AA × Fail

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, 18.940, 82.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

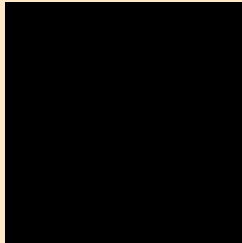
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 18.940, 82.581

Background



This preview shows how black text looks on a background with the CIELCh color 93, 18.940, 82.581.

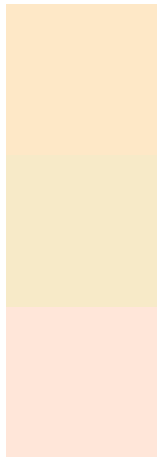


This preview shows how white text looks on a background with the CIELCh color 93, 18.940, 82.581.

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, 18.940, 82.581

Protanopia

93, 18.134, 93.045

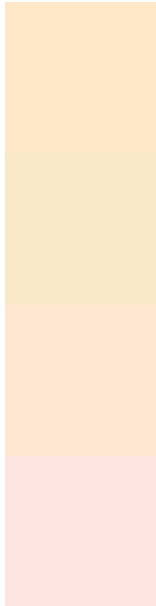
Deuteranopia

93, 11.433, 55.515



Tritanopia
93, 12.051, 343.511

Trichromacy



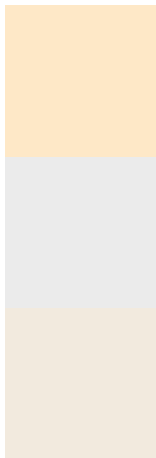
Original Color
93, 18.940, 82.581

Protanomaly
93, 18.143, 88.015

Deuteranomaly
93, 14.072, 69.597

Tritanomaly
93, 9.617, 29.186

Monochromacy



Original Color
93, 18.940, 82.581

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 6.804, 84.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 18.940, 82.581 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(254, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(254, 232, 199)  
}
```

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(254, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 232, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 18.940, 82.581 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(254, 232, 199) }
```

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

```
.border{ border-color:rgb(254, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(254, 232,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 18.940, 82.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 232, 199) }
```

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

```
.background{ background-color: rgb(254,  
232, 199) }
```

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