

Converting Colors

CIELCh(93, 16.783, 77.469)

Have a look what the booklet for
CIELCh(93, 16.783, 77.469) contains.

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Color

CIELCh(93, 16.616, 75.966)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7CC
RGB	255, 231, 204
RGB Percent	100%, 91%, 80%
CMY	0.0000, 0.0931, 0.1991
CMYK	0.00, 0.09, 0.20, 0.00
HSL	32°, 100%, 90%
HSV	32°, 20%, 100%
XYZ	80.9040, 82.9670, 69.0276
YIQ	235.0980, 22.9710, -3.3090

Conversions

Conversions Part 2

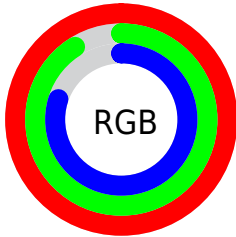
Format	Color
R _Y B	249, 255, 204
Decimal	16771020
CIE Lab	93.00, 4.03, 16.12
CIE LCh	93, 16.616, 75.966
Yxy	82.9670, 0.3474, 0.3562
Android (android.graphics.Color)	4294961100 (0xFFFFE7CC)
YUV	235.0980, -15.3313, 17.4541
Hunter-Lab	91.0862, -0.8548, 18.8288

Details

The CIELCh color **93, 16.616, 75.966** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **90, 15.875, 261.759**, 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, 16.453, 74.587** is the 20% darker color. If you saturate the color by 10%, you get **90, 25.417, 74.944**, and if you desaturate by 10%, it is **96, 8.069, 77.517**.

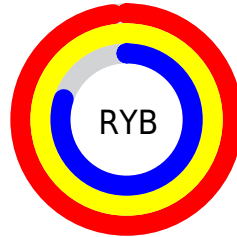
Distribution



Red (100%)

Green (91%)

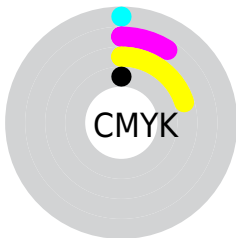
Blue (80%)



Red (98%)

Yellow (100%)

Blue (80%)

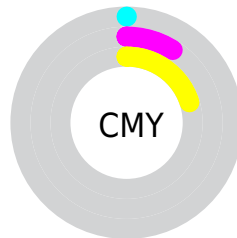


Cyan (0%)

Magenta (9%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 16.616, 75.966 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, 16.616, 75.966 by changing the saturation by 10% instead.

 93, 16.616, 75.966

 93, 16.616, 75.966

 100, 16.616,
75.966

 83, 16.616, 75.966

 73, 16.616, 75.966

 63, 16.616, 75.966

 53, 16.616, 75.966

 43, 16.616, 75.966

 33, 16.616, 75.966

 23, 16.616, 75.966

 13, 16.616, 75.966

 3, 16.616, 75.966

93, 16.616, 75.966

93, 16.616, 75.966

90, 25.417, 74.944

96, 8.069, 77.517

86, 34.630, 73.610

100, 0.012,
296.813

83, 44.158, 72.250

80, 53.876, 70.844

77, 63.494, 69.341

74, 72.432, 67.615

71, 79.694, 65.420

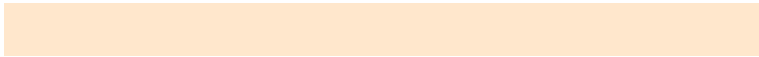
69, 84.452, 62.533

69, 84.495, 62.506

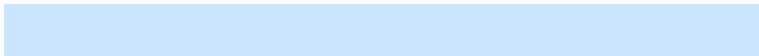
Harmonies

Complementary

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



93, 16.616, 75.966



90, 15.875, 261.759

Rectangle

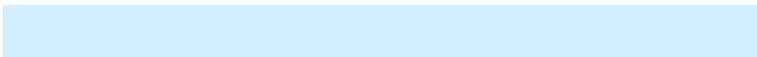
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 16.616, 75.966



93, 16.616, 125.966



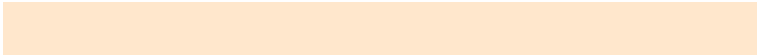
93, 16.616, 255.966



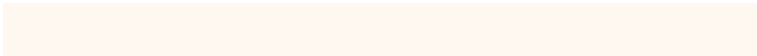
93, 16.616, 305.966

Sweetspot

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



93, 16.564, 76.252



98, 4.846, 77.979



87, 22.359, 346.343



52, 3.219, 77.905



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, 16.564, 76.252



92, 20.145, 75.720



99, 25.619, 108.944



51, 4.628, 77.566



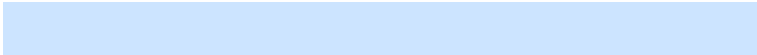
52, 67.861, 63.204



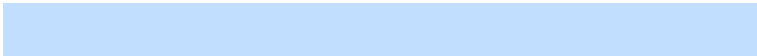
17, 27.036, 65.051

Inverse Universe

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



90, 15.875, 261.759



88, 19.117, 262.486



84, 26.839, 293.038



50, 4.547, 260.142



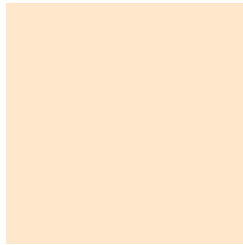
40, 62.137, 287.175



11, 25.148, 280.881

Previews

White Background



This preview shows how the CIE LCh color 93, 16.616, 75.966 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, 16.616, 75.966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

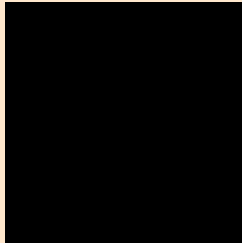
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 16.616, 75.966

Background



This preview shows how black text looks on a background with the CIELCh color 93, 16.616, 75.966.

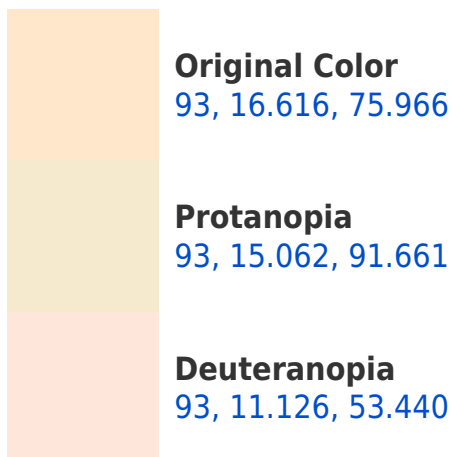


This preview shows how white text looks on a background with the CIELCh color 93, 16.616, 75.966.

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](#).

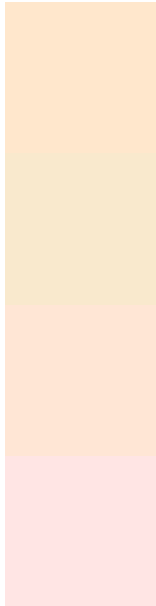
Dichromacy





Tritanopia
93, 12.051, 343.511

Trichromacy



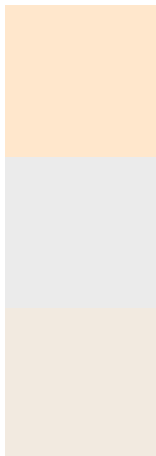
Original Color
93, 16.616, 75.966

Protanomaly
93, 15.597, 86.337

Deuteranomaly
93, 12.800, 62.723

Tritanomaly
93, 9.477, 23.095

Monochromacy



Original Color
93, 16.616, 75.966

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 5.884, 80.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 16.616, 75.966 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, 231, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 204)  
}
```

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, 231, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 16.616, 75.966 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, 231, 204) }
```

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

```
.border{ border-color:rgb(255, 231, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 16.616, 75.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 204) }
```

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

```
.background{ background-color: rgb(255,  
231, 204) }
```

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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