

Converting Colors

CIELCh(93, 33.215, 93.048)

Have a look what the booklet for
CIELCh(93, 33.215, 93.048) contains.

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Color

CIELCh(93, 33.284, 93.154)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAA8
RGB	255, 234, 171
RGB Percent	100%, 92%, 67%
CMY	0.0004, 0.0827, 0.3298
CMYK	0.00, 0.08, 0.33, 0.00
HSL	45°, 100%, 83%
HSV	45°, 33%, 100%
XYZ	77.9392, 82.9670, 50.3871
YIQ	233.0970, 32.7390, -15.1410

Conversions

Conversions Part 2

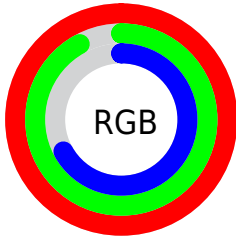
Format	Color
RYB	199, 255, 171
Decimal	16771755
CIELab	93.00, -1.83, 33.23
CIELCh	93, 33.284, 93.154
Yxy	82.9670, 0.3689, 0.3927
Android (android.graphics.Color)	4294961835 (0xFFFFEAAB)
YUV	233.0970, -30.6138, 19.2089
Hunter-Lab	91.0862, -6.6650, 30.9623

Details

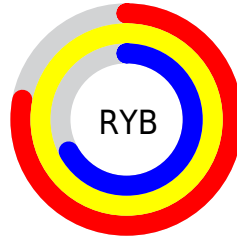
The CIELCh color **93, 33.284, 93.154** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **78, 34.110, 282.255**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **73, 33.183, 92.968** is the 20% darker color. If you saturate the color by 10%, you get **91, 43.464, 91.850**, and if you desaturate by 10%, it is **95, 23.084, 94.435**.

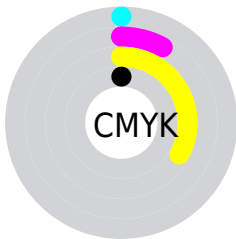
Distribution



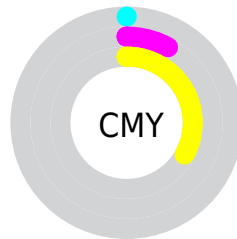
- Red (100%)
- Green (92%)
- Blue (67%)



- Red (78%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 33.284, 93.154 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, 33.284, 93.154 by changing the saturation by 10% instead.

 93, 33.284, 93.154

 93, 33.284, 93.154

 100, 33.284,
93.154

 83, 33.284, 93.154

 73, 33.284, 93.154

 63, 33.284, 93.154

 53, 33.284, 93.154

 43, 33.284, 93.154

 33, 33.284, 93.154

 23, 33.284, 93.154

 13, 33.284, 93.154

 3, 33.284, 93.154

93, 33.284, 93.154

93, 33.284, 93.154

91, 43.464, 91.850

95, 23.084, 94.435

89, 53.453, 90.510

97, 12.948, 95.671

87, 62.955, 89.132

99, 2.923, 96.814

85, 71.466, 87.695

100, 0.036,
218.282

84, 78.225, 86.142

82, 82.356, 84.375

81, 83.685, 82.970

Harmonies

Complementary

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



93, 33.284, 93.154



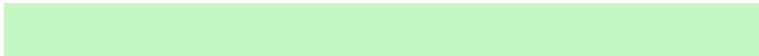
78, 34.110, 282.255

Rectangle

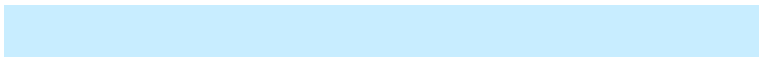
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 33.284, 93.154



93, 33.284, 143.154



93, 33.284, 273.154



93, 33.284, 323.154

Sweetspot

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



93, 33.285, 93.159



98, 9.980, 96.025



79, 33.646, 3.368



52, 6.816, 95.857



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

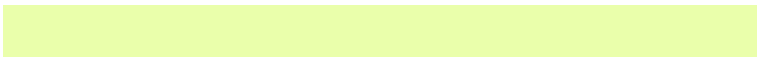
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 33.285, 93.159



92, 40.484, 92.239



97, 42.893, 117.817



52, 5.672, 96.084



62, 67.513, 83.368



21, 29.452, 85.822

Inverse Universe

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



78, 34.110, 282.255



74, 41.824, 283.705



75, 46.099, 302.466



50, 5.716, 278.452



29, 89.056, 300.683



7, 35.657, 295.890

Previews

White Background



This preview shows how the CIELCh color 93, 33.284, 93.154 looks on a white background.

Color Contrast Check

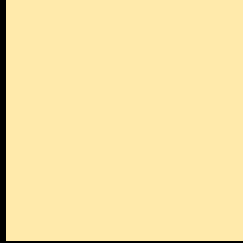
Large Text (above 18pt) WCAG AA × Fail

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, 33.284, 93.154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

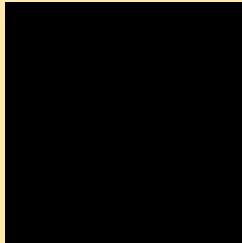
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 33.284, 93.154

Background



This preview shows how black text looks on a background with the CIELCh color 93, 33.284, 93.154.



This preview shows how white text looks on a background with the CIELCh color 93, 33.284, 93.154.

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, 33.284, 93.154

Protanopia

93, 33.374, 95.966

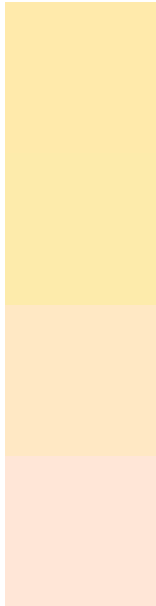
Deuteranopia

93, 14.072, 69.597



Tritanopia
93, 11.481, 347.659

Trichromacy



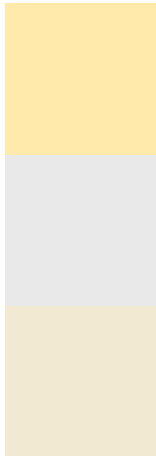
Original Color
93, 33.284, 93.154

Protanomaly
93, 33.460, 95.301

Deuteranomaly
93, 20.515, 83.304

Tritanomaly
93, 12.092, 59.327

Monochromacy



Original Color
93, 33.284, 93.154

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 12.186, 95.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 33.284, 93.154 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, 234, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 171)  
}
```

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, 234, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 33.284, 93.154 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, 234, 171) }
```

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

```
.border{ border-color:rgb(255, 234, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 234, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 234, 171); box-shadow:4px 4px 4px 4px rgb(255, 234, 171) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 33.284, 93.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 171) }
```

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

```
.background{ background-color: rgb(255,  
234, 171) }
```

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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