

Converting Colors

CIELCh(100, 50.036, 55.129)

Have a look what the booklet for
CIELCh(100, 50.036, 55.129)
contains.

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Color

CIELCh(93, 30.137, 90.411)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9B1
RGB	255, 233, 177
RGB Percent	100%, 91%, 69%
CMY	0.0000, 0.0860, 0.3058
CMYK	0.00, 0.09, 0.31, 0.00
HSL	43°, 100%, 85%
HSV	43°, 31%, 100%
XYZ	78.7489, 82.9670, 53.4747
YIQ	233.1940, 31.0880, -12.7520

Conversions

Conversions Part 2

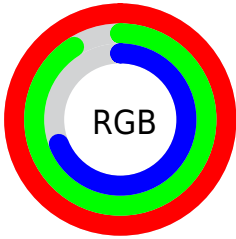
Format	Color
R_{YB}	208, 255, 177
Decimal	16771505
CIE _{Lab}	93.00, -0.22, 30.14
CIE _{LCh}	93, 30.137, 90.411
Yxy	82.9670, 0.3659, 0.3856
Android (android.graphics.Color)	4294961585 (0xFFFFE9B1)
YUV	233.1940, -27.7036, 19.1239
Hunter-Lab	91.0862, -5.0782, 28.9525

Details

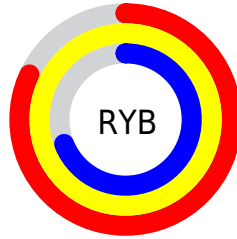
The CIELCh color **93, 30.137, 90.411** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 30.370, 279.739**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **73, 29.763, 90.960** is the 20% darker color. If you saturate the color by 10%, you get **91, 40.002, 89.878**, and if you desaturate by 10%, it is **95, 20.056, 92.514**.

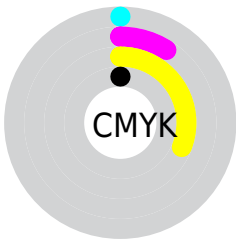
Distribution



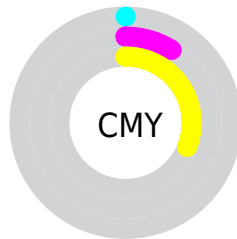
- Red (100%)
- Green (91%)
- Blue (69%)



- Red (82%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 30.137, 90.411 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, 30.137, 90.411 by changing the saturation by 10% instead.

 93, 30.137, 90.411

 93, 30.137, 90.411


 100, 30.137,
90.411

 83, 30.137, 90.411

 73, 30.137, 90.411

 63, 30.137, 90.411

 53, 30.137, 90.411

 43, 30.137, 90.411

 33, 30.137, 90.411

 23, 30.137, 90.411

 13, 30.137, 90.411

 3, 30.137, 90.411

93, 30.137, 90.411

93, 30.137, 90.411

91, 40.002, 89.878

95, 20.056, 92.514

89, 49.922, 88.503

97, 10.226, 93.765

87, 59.519, 87.083

100, 0.542, 94.551

85, 68.364, 85.591

100, 0.012,
296.813

83, 75.761, 83.967

81, 80.797, 82.099

79, 83.041, 80.026

Harmonies

Complementary

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



93, 30.137, 90.411



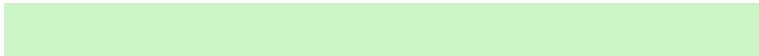
80, 30.370, 279.739

Rectangle

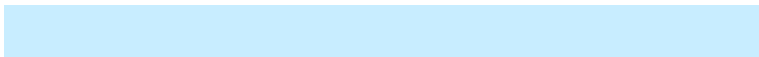
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 30.137, 90.411



93, 30.137, 140.411



93, 30.137, 270.411



93, 30.137, 320.411

Sweetspot

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



93, 30.003, 91.215



98, 8.690, 93.956



80, 31.440, 0.590



52, 6.047, 93.780



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

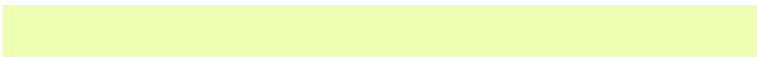
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 30.003, 91.215



91, 36.427, 90.360



97, 39.693, 116.579



52, 5.492, 93.895



61, 66.954, 80.483



20, 28.889, 83.115

Inverse Universe

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



80, 30.370, 279.739



76, 37.031, 281.033



76, 42.503, 301.131



50, 5.520, 276.320



30, 85.400, 299.334



7, 34.259, 294.518

Previews

White Background



This preview shows how the CIE LCh color 93, 30.137, 90.411 looks on a white background.

Color Contrast Check

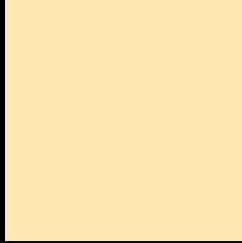
Large Text (above 18pt) WCAG AA × Fail

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, 30.137, 90.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

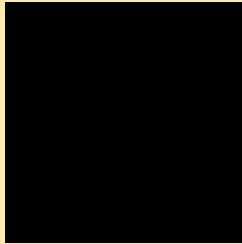
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 30.137, 90.411

Background



This preview shows how black text looks on a background with the CIELCh color 93, 30.137, 90.411.

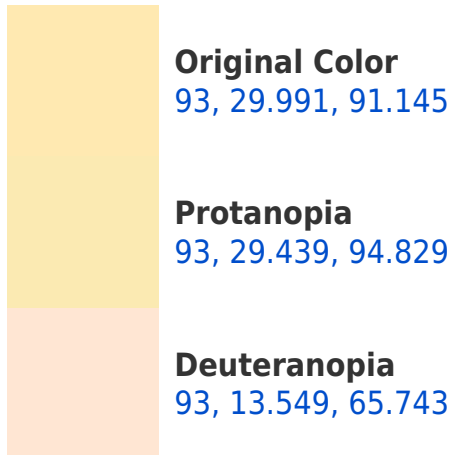


This preview shows how white text looks on a background with the CIELCh color 93, 30.137, 90.411.

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](#).

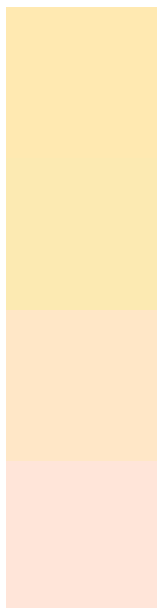
Dichromacy





Tritanopia
93, 12.064, 346.546

Trichromacy



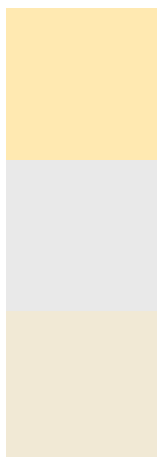
Original Color
93, 29.991, 91.145

Protanomaly
93, 29.534, 94.086

Deuteranomaly
93, 18.859, 79.863

Tritanomaly
93, 11.453, 52.406

Monochromacy



Original Color
93, 29.991, 91.145

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 10.691, 93.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 30.137, 90.411 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, 233, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 177)  
}
```

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, 233, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 30.137, 90.411 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, 233, 177) }
```

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

```
.border{ border-color:rgb(255, 233, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 30.137, 90.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 177) }
```

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

```
.background{ background-color: rgb(255,  
233, 177) }
```

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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