

Converting Colors

CIELCh(90, 33.357, 94.028)

Have a look what the booklet for
CIELCh(90, 33.357, 94.028) contains.

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Color

CIELCh(90, 33.293, 94.358)

Conversions

Conversions Part 1

Format	Color
Hex	F5E2A3
RGB	245, 226, 163
RGB Percent	96%, 89%, 64%
CMY	0.0400, 0.1145, 0.3615
CMYK	0.00, 0.08, 0.33, 0.04
HSL	46°, 80%, 80%
HSV	46°, 33%, 96%
XYZ	71.3260, 76.3034, 45.5337
YIQ	224.4990, 31.5470, -15.5650

Conversions

Conversions Part 2

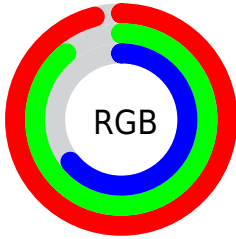
Format	Color
RYB	188, 245, 163
Decimal	16114339
CIELab	90.00, -2.53, 33.20
CIELCh	90, 33.293, 94.358
Yxy	76.3034, 0.3693, 0.3950
Android (android.graphics.Color)	4294304419 (0xFFFF5E2A3)
YUV	224.4990, -30.3190, 17.9794
Hunter-Lab	87.3518, -7.1137, 30.2403

Details

The CIELCh color **90, 33.293, 94.358** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 34.342, 283.482**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.707, 108.762**, and **70, 33.195, 94.228** is the 20% darker color. If you saturate the color by 10%, you get **88, 43.253, 93.079**, and if you desaturate by 10%, it is **92, 23.279, 95.617**.

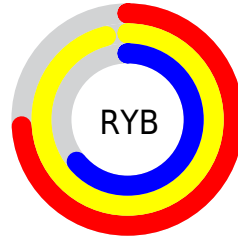
Distribution



Red (96%)

Green (89%)

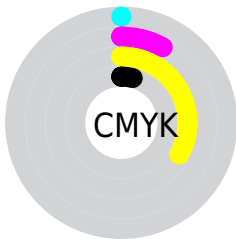
Blue (64%)



Red (74%)

Yellow (96%)

Blue (64%)

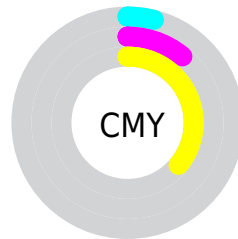


Cyan (0%)

Magenta (8%)

Yellow (33%)

Black (4%)



Cyan (4%)

Magenta (11%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 33.293, 94.358 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 90, 33.293, 94.358 by changing the saturation by 10% instead.

90, 33.293, 94.358

90, 33.293, 94.358

100, 33.293,
94.358

80, 33.293, 94.358

70, 33.293, 94.358

60, 33.293, 94.358

50, 33.293, 94.358

40, 33.293, 94.358

30, 33.293, 94.358

20, 33.293, 94.358

10, 33.293, 94.358

0, 33.293, 94.358

90, 33.293, 94.358

90, 33.293, 94.358

88, 43.253, 93.079

92, 23.279, 95.617

86, 52.983, 91.770

94, 13.303, 96.835

85, 62.179, 90.432

96, 3.414, 97.976

83, 70.340, 89.045

98, 3.546, 269.365

82, 76.725, 87.565

99, 3.257, 206.924

80, 80.520, 85.907

99, 3.525, 199.370

79, 81.672, 84.713

Harmonies

Complementary

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



90, 33.293, 94.358



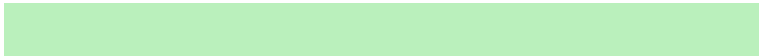
75, 34.342, 283.482

Rectangle

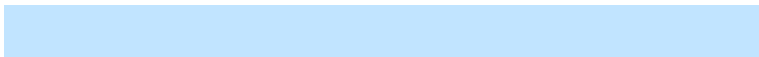
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 33.293, 94.358



90, 33.293, 144.358



90, 33.293, 274.358



90, 33.293, 324.358

Sweetspot

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



90, 33.294, 94.363



98, 10.172, 97.245



75, 32.978, 4.671



52, 6.946, 97.079



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

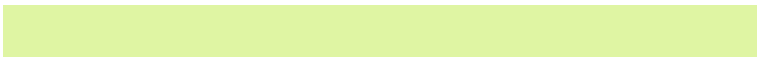
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 33.294, 94.363



92, 41.132, 93.519



93, 42.284, 118.478



50, 5.591, 97.308



62, 66.590, 85.069



19, 27.498, 87.577

Inverse Universe

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



75, 34.342, 283.482



73, 42.812, 284.824



72, 45.436, 303.057



48, 5.642, 279.631



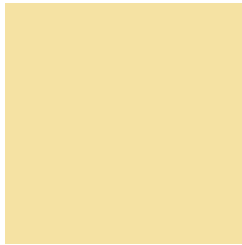
28, 89.140, 301.343



6, 33.323, 295.029

Previews

White Background



This preview shows how the CIE LCh color 90, 33.293, 94.358 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 90, 33.293, 94.358 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 90, 33.293, 94.358

Background



This preview shows how black text looks on a background with the CIELCh color 90, 33.293, 94.358.

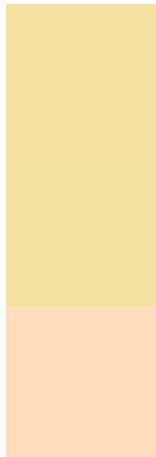


This preview shows how white text looks on a background with the CIELCh color 90, 33.293, 94.358.

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

90, 33.293, 94.358

Protanopia

90, 33.200, 95.030

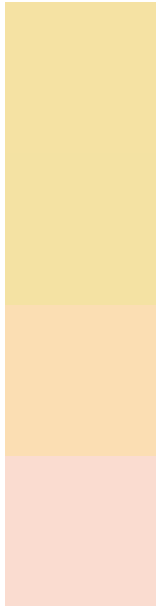
Deuteranopia

90, 21.541, 69.752



Tritanopia
90, 15.676, 346.408

Trichromacy



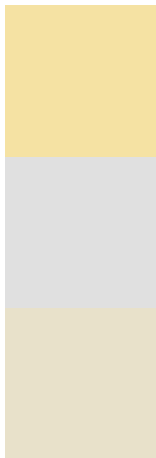
Original Color
90, 33.293, 94.358

Protanomaly
90, 33.200, 95.030

Deuteranomaly
90, 25.067, 81.377

Tritanomaly
90, 12.872, 48.785

Monochromacy



Original Color
90, 33.293, 94.358

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 12.183, 96.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 33.293, 94.358 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(245, 226, 163)` looks like.

```
.text, #text, p{  
    color:rgb(245, 226, 163)  
}
```

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(245, 226, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 226, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 33.293, 94.358 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(245, 226, 163) }
```

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

```
.border{ border-color:rgb(245, 226, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 226, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 226, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 226, 163);  
box-shadow:4px 4px 4px 4px rgb(245, 226,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 33.293, 94.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 226, 163) }
```

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

```
.background{ background-color: rgb(245,  
226, 163) }
```

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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