

Converting Colors

CIELCh(90, 33.754, 93.151)

Have a look what the booklet for
CIELCh(90, 33.754, 93.151) contains.

CIELCh(90, 33.523, 93.006)	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(90, 33.523, 93.006)

Conversions

Conversions Part 1

Format	Color
Hex	F6E1A2
RGB	246, 225, 162
RGB Percent	96%, 88%, 64%
CMY	0.0340, 0.1163, 0.3635
CMYK	0.00, 0.09, 0.34, 0.03
HSL	45°, 83%, 80%
HSV	45°, 34%, 97%
XYZ	71.6901, 76.3034, 45.2783
YIQ	224.0970, 32.7390, -15.1410

Conversions

Conversions Part 2

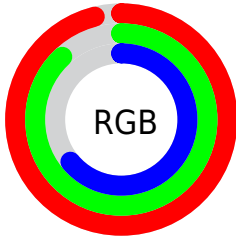
Format	Color
R _Y B	190, 246, 162
Decimal	16179618
CIE Lab	90.00, -1.76, 33.48
CIE LCh	90, 33.523, 93.006
Yxy	76.3034, 0.3709, 0.3948
Android (android.graphics.Color)	4294369698 (0xFFFF6E1A2)
YUV	224.0970, -30.6138, 19.2089
Hunter-Lab	87.3518, -6.3696, 30.4136

Details

The CIELCh color **90, 33.523, 93.006** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 34.393, 282.465**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 19.210, 108.724**, and **70, 33.443, 92.765** is the 20% darker color. If you saturate the color by 10%, you get **88, 43.414, 91.701**, and if you desaturate by 10%, it is **92, 23.599, 94.289**.

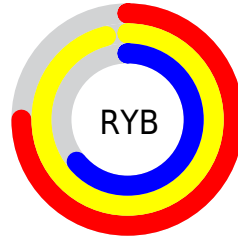
Distribution



Red (96%)

Green (88%)

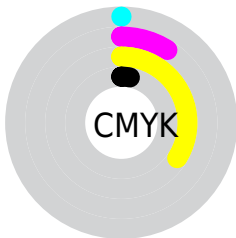
Blue (64%)



Red (75%)

Yellow (96%)

Blue (64%)

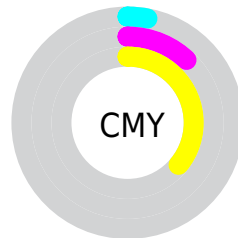


Cyan (0%)

Magenta (9%)

Yellow (34%)

Black (3%)



Cyan (3%)

Magenta (12%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 33.523, 93.006 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, 33.523, 93.006 by changing the saturation by 10% instead.

90, 33.523, 93.006

90, 33.523, 93.006

100, 33.523,
93.006

80, 33.523, 93.006

70, 33.523, 93.006

60, 33.523, 93.006

50, 33.523, 93.006

40, 33.523, 93.006

30, 33.523, 93.006

20, 33.523, 93.006

10, 33.523, 93.006

0, 33.523, 93.006

90, 33.523, 93.006

90, 33.523, 93.006

88, 43.414, 91.701

92, 23.599, 94.289

86, 53.096, 90.359

94, 13.731, 95.528

84, 62.265, 88.979

96, 3.967, 96.694

83, 70.405, 87.535

98, 2.845, 264.215

81, 76.759, 85.969

99, 2.996, 199.436

80, 80.486, 84.176

79, 81.557, 83.005

Harmonies

Complementary

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



90, 33.523, 93.006



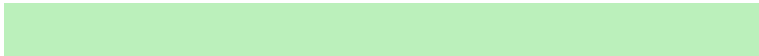
75, 34.393, 282.465

Rectangle

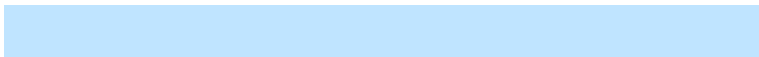
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 33.523, 93.006



90, 33.523, 143.006



90, 33.523, 273.006



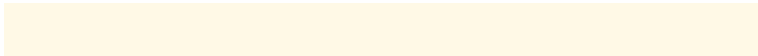
90, 33.523, 323.006

Sweetspot

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



90, 33.524, 93.011



98, 9.979, 96.020



76, 34.091, 2.319



52, 6.815, 95.852



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, 33.524, 93.011



91, 41.497, 92.101



94, 43.045, 117.051



50, 5.485, 96.083



61, 66.176, 83.403



19, 27.138, 86.023

Inverse Universe

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



75, 34.393, 282.465



73, 42.926, 283.918



71, 46.456, 302.027



48, 5.527, 278.441



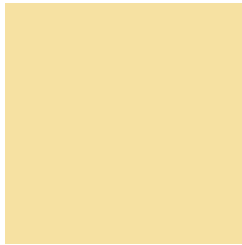
28, 87.115, 300.622



6, 32.691, 294.424

Previews

White Background



This preview shows how the CIE LCh color 90, 33.523, 93.006 looks on a white background.

Color Contrast Check

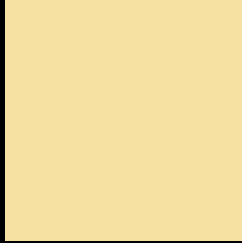
Large Text (above 18pt) WCAG AA × Fail

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, 33.523, 93.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

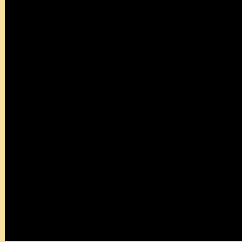
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 33.523, 93.006

Background



This preview shows how black text looks on a background with the CIELCh color 90, 33.523, 93.006.

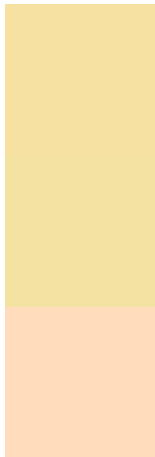


This preview shows how white text looks on a background with the CIELCh color 90, 33.523, 93.006.

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, 33.523, 93.006

Protanopia

90, 33.200, 95.030

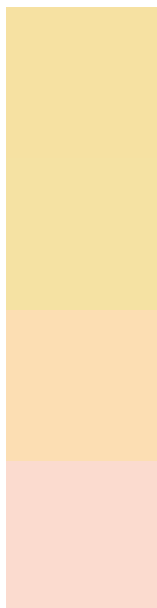
Deuteranopia

90, 21.541, 69.752



Tritanopia
90, 16.293, 347.923

Trichromacy



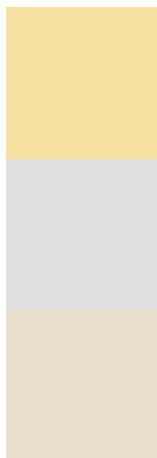
Original Color
90, 33.523, 93.006

Protanomaly
90, 33.293, 94.358

Deuteranomaly
90, 25.257, 80.582

Tritanomaly
90, 13.565, 47.257

Monochromacy



Original Color
90, 33.523, 93.006

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 11.775, 94.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 33.523, 93.006 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(246, 225, 162)` looks like.

```
.text, #text, p{  
    color:rgb(246, 225, 162)  
}
```

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(246, 225, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 225, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 33.523, 93.006 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(246, 225, 162) }
```

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

```
.border{ border-color:rgb(246, 225, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 225, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 225, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 225, 162); box-shadow:4px 4px 4px 4px rgb(246, 225, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 33.523, 93.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 225, 162) }
```

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

```
.background{ background-color: rgb(246,  
225, 162) }
```

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