

Converting Colors

CIELCh(90, 33.787, 99.080)

Have a look what the booklet for
CIELCh(90, 33.787, 99.080) contains.

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Color

CIELCh(90, 33.781, 98.616)

Conversions

Conversions Part 1

Format	Color
Hex	F0E3A2
RGB	240, 227, 162
RGB Percent	94%, 89%, 64%
CMY	0.0576, 0.1086, 0.3636
CMYK	0.00, 0.05, 0.32, 0.06
HSL	50°, 73%, 79%
HSV	50°, 32%, 94%
XYZ	70.1407, 76.3034, 45.3485
YIQ	223.4770, 28.6130, -17.4590

Conversions

Conversions Part 2

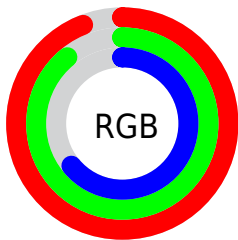
Format	Color
R _Y B	178, 240, 162
Decimal	15786914
CIE Lab	90.00, -5.06, 33.40
CIE LCh	90, 33.781, 98.616
Yxy	76.3034, 0.3657, 0.3978
Android (android.graphics.Color)	4293976994 (0xFFFF0E3A2)
YUV	223.4770, -30.3082, 14.4907
Hunter-Lab	87.3518, -9.5358, 30.3660

Details

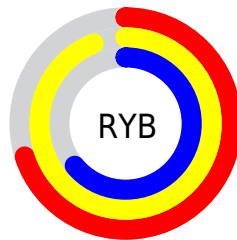
The CIELCh color **90, 33.781, 98.616** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 35.437, 286.953**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 19.210, 108.724**, and **70, 33.696, 98.771** is the 20% darker color. If you saturate the color by 10%, you get **89, 44.051, 97.434**, and if you desaturate by 10%, it is **91, 23.378, 99.791**.

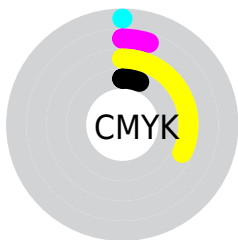
Distribution



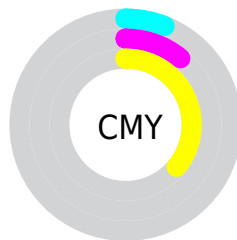
- Red (94%)
- Green (89%)
- Blue (64%)



- Red (70%)
- Yellow (94%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (32%)
- Black (6%)



- Cyan (6%)
- Magenta (11%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 33.781, 98.616 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, 33.781, 98.616 by changing the saturation by 10% instead.

 90, 33.781, 98.616

 90, 33.781, 98.616

 100, 33.781,
98.616

 80, 33.781, 98.616

 70, 33.781, 98.616

 60, 33.781, 98.616

 50, 33.781, 98.616

 40, 33.781, 98.616

 30, 33.781, 98.616

 20, 33.781, 98.616

 10, 33.781, 98.616

 0, 33.781, 98.616

90, 33.781, 98.616

90, 33.781, 98.616

89, 44.051, 97.434

91, 23.378, 99.791

87, 53.996, 96.243

93, 12.945,
100.935

86, 63.305, 95.055

95, 2.545, 102.003

85, 71.485, 93.872

96, 6.060, 280.786

84, 77.845, 92.684

97, 4.573, 258.593

83, 81.663, 91.455

98, 4.202, 225.766

82, 82.916, 90.481

99, 5.057, 199.216

Harmonies

Complementary

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



90, 33.781, 98.616



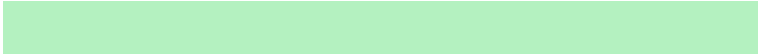
73, 35.437, 286.953

Rectangle

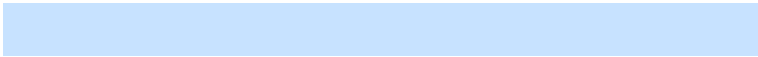
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 33.781, 98.616



90, 33.781, 148.616



90, 33.781, 278.616



90, 33.781, 328.616

Sweetspot

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



90, 33.782, 98.620



98, 10.886, 101.207



75, 31.052, 9.523



52, 7.431, 101.050



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, 33.782, 98.620



94, 42.511, 97.832



91, 40.893, 121.242



49, 5.882, 101.269



64, 67.862, 90.718



19, 27.693, 92.831

Inverse Universe

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



73, 35.437, 286.953



72, 45.188, 288.226



72, 43.571, 305.168



47, 5.963, 283.463



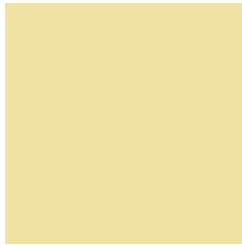
25, 94.545, 303.433



4, 33.459, 295.569

Previews

White Background



This preview shows how the CIELCh color 90, 33.781, 98.616 looks on a white background.

Color Contrast Check

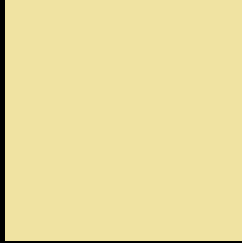
Large Text (above 18pt) WCAG AA × Fail

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, 33.781, 98.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

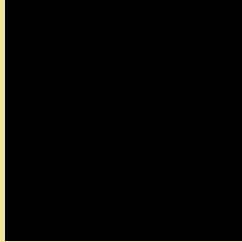
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 33.781, 98.616

Background



This preview shows how black text looks on a background with the CIELCh color 90, 33.781, 98.616.

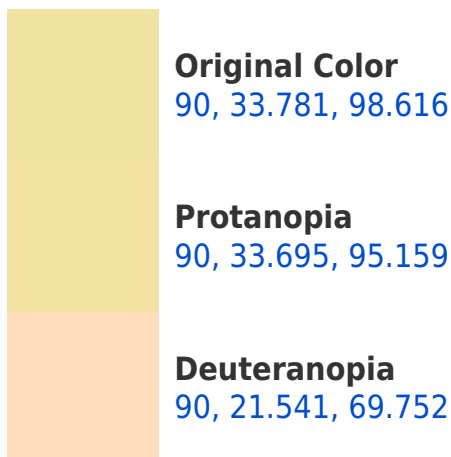


This preview shows how white text looks on a background with the CIELCh color 90, 33.781, 98.616.

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](#).

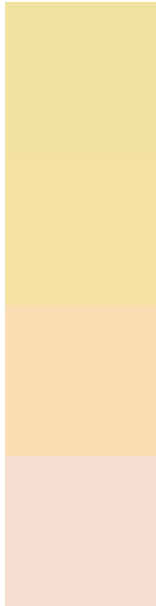
Dichromacy





Tritanopia
90, 14.210, 342.116

Trichromacy



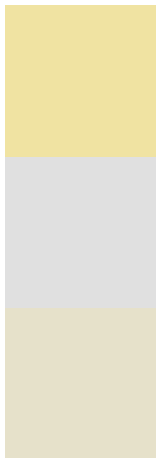
Original Color
90, 33.781, 98.616

Protanomaly
90, 33.608, 95.826

Deuteranomaly
90, 25.155, 83.446

Tritanomaly
90, 11.223, 53.406

Monochromacy



Original Color
90, 33.781, 98.616

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 12.048, 100.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 33.781, 98.616 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(240, 227, 162)` looks like.

```
.text, #text, p{  
    color:rgb(240, 227, 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(240, 227, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 227, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 33.781, 98.616 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(240, 227, 162) }
```

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

```
.border{ border-color:rgb(240, 227, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 227, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 227, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 227, 162); box-shadow:4px 4px 4px 4px rgb(240, 227, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 33.781, 98.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 227, 162) }
```

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

```
.background{ background-color: rgb(240,  
227, 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](#).

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