

Converting Colors

CIELCh(89, 31.687, 91.971)

Have a look what the booklet for
CIELCh(89, 31.687, 91.971) contains.

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Color

CIELCh(89, 31.743, 91.582)

Conversions

Conversions Part 1

Format	Color
Hex	F4DEA3
RGB	244, 222, 163
RGB Percent	96%, 87%, 64%
CMY	0.0429, 0.1292, 0.3606
CMYK	0.00, 0.09, 0.33, 0.04
HSL	44°, 79%, 80%
HSV	44°, 33%, 96%
XYZ	70.0821, 74.1641, 45.2982
YIQ	221.8520, 32.0510, -13.6850

Conversions

Conversions Part 2

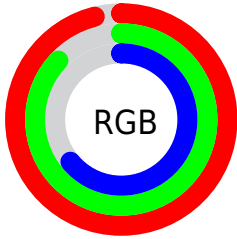
Format	Color
RYB	193, 244, 163
Decimal	16047779
CIELab	89.00, -0.88, 31.73
CIElCh	89, 31.743, 91.582
Yxy	74.1641, 0.3697, 0.3913
Android (android.graphics.Color)	4294237859 (0xFFFF4DEA3)
YUV	221.8520, -29.0140, 19.4238
Hunter-Lab	86.1186, -5.4468, 29.0966

Details

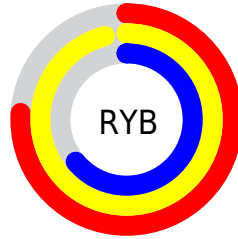
The CIELCh color **89, 31.743, 91.582** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 32.294, 280.880**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.707, 108.762**, and **69, 31.613, 91.301** is the 20% darker color. If you saturate the color by 10%, you get **87, 41.443, 90.254**, and if you desaturate by 10%, it is **91, 22.055, 92.884**.

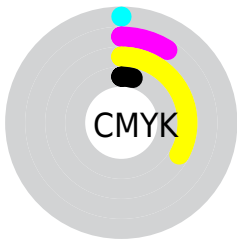
Distribution



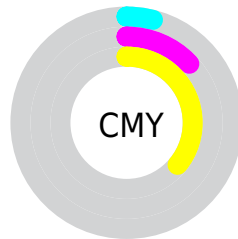
- Red (96%)
- Green (87%)
- Blue (64%)



- Red (76%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (9%)
- Yellow (33%)
- Black (4%)



- Cyan (4%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 31.743, 91.582 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 89, 31.743, 91.582 by changing the saturation by 10% instead.

89, 31.743, 91.582

89, 31.743, 91.582

100, 31.743,
91.582

79, 31.743, 91.582

69, 31.743, 91.582

59, 31.743, 91.582

49, 31.743, 91.582

39, 31.743, 91.582

29, 31.743, 91.582

19, 31.743, 91.582

9, 31.743, 91.582

0, 31.743, 91.582

89, 31.743, 91.582

89, 31.743, 91.582

87, 41.443, 90.254

91, 22.055, 92.884

85, 51.000, 88.885

93, 12.455, 94.138

83, 60.139, 87.470

95, 2.982, 95.298

81, 68.384, 85.980

98, 3.616, 264.908

79, 75.001, 84.348

99, 3.779, 199.341

78, 79.120, 82.457

77, 80.512, 80.996

Harmonies

Complementary

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



89, 31.743, 91.582



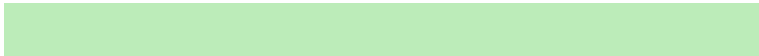
75, 32.294, 280.880

Rectangle

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



89, 31.743, 91.582



89, 31.743, 141.582



89, 31.743, 271.582



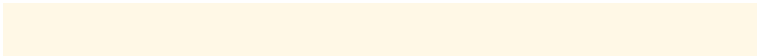
89, 31.743, 321.582

Sweetspot

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



89, 31.744, 91.587



98, 9.760, 94.523



75, 33.051, 0.968



52, 6.667, 94.353



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 31.744, 91.587



91, 39.745, 90.671



93, 41.504, 116.410



50, 5.364, 94.587



60, 65.775, 81.422



18, 26.742, 84.144

Inverse Universe

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



75, 32.294, 280.880



74, 40.679, 282.320



71, 44.737, 301.388



48, 5.395, 276.985



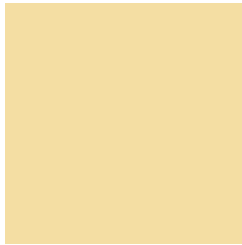
29, 84.659, 299.706



6, 31.909, 293.628

Previews

White Background



This preview shows how the CIELCh color 89, 31.743, 91.582 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 89, 31.743, 91.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

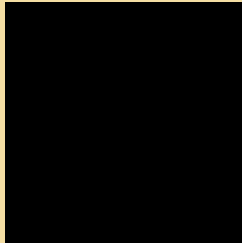
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 31.743, 91.582

Background



This preview shows how black text looks on a background with the CIELCh color 89, 31.743, 91.582.

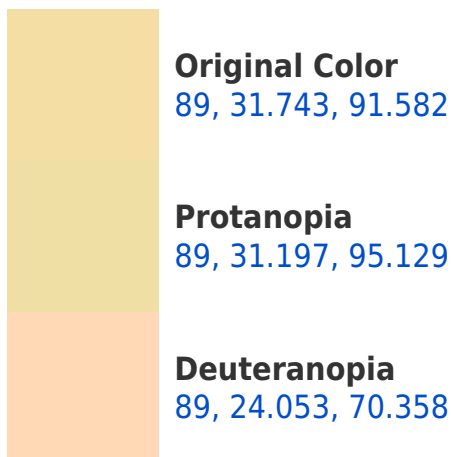


This preview shows how white text looks on a background with the CIELCh color 89, 31.743, 91.582.

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](#).

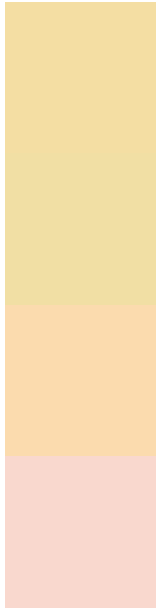
Dichromacy





Tritanopia
89, 16.641, 348.657

Trichromacy



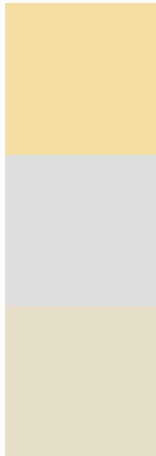
Original Color
89, 31.743, 91.582

Protanomaly
89, 31.290, 94.415

Deuteranomaly
89, 26.647, 79.918

Tritanomaly
89, 13.472, 42.730

Monochromacy



Original Color
89, 31.743, 91.582

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 11.292, 93.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 31.743, 91.582 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(244, 222, 163)` looks like.

```
.text, #text, p{  
    color:rgb(244, 222, 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(244, 222, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 222, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 31.743, 91.582 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(244, 222, 163) }
```

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

```
.border{ border-color:rgb(244, 222, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 222, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 222, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 222, 163); box-shadow:4px 4px 4px 4px rgb(244, 222, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 31.743, 91.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 222, 163) }
```

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

```
.background{ background-color: rgb(244,  
222, 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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