

Converting Colors

CIELCh(89, 39.367, 99.551)

Have a look what the booklet for
CIELCh(89, 39.367, 99.551) contains.

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Color

CIELCh(89, 39.304, 99.252)

Conversions

Conversions Part 1

Format	Color
Hex	EEE195
RGB	238, 225, 149
RGB Percent	93%, 88%, 58%
CMY	0.0668, 0.1178, 0.4158
CMYK	0.00, 0.05, 0.37, 0.07
HSL	51°, 72%, 76%
HSV	51°, 37%, 93%
XYZ	67.5792, 74.1641, 39.1698
YIQ	220.2230, 32.1440, -20.8800

Conversions

Conversions Part 2

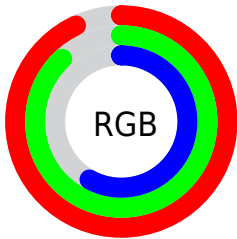
Format	Color
RYB	164, 238, 149
Decimal	15655317
CIELab	89.00, -6.32, 38.79
CIELCh	89, 39.304, 99.252
Yxy	74.1641, 0.3735, 0.4099
Android (android.graphics.Color)	4293845397 (0xFFEEE195)
YUV	220.2230, -35.1129, 15.5904
Hunter-Lab	86.1186, -10.6347, 33.3158

Details

The CIELCh color **89, 39.304, 99.252** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 41.876, 288.927**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **69, 39.380, 99.183** is the 20% darker color. If you saturate the color by 10%, you get **88, 49.500, 98.101**, and if you desaturate by 10%, it is **90, 28.865, 100.406**.

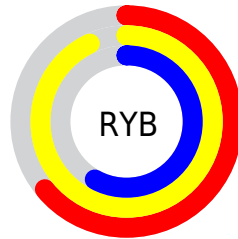
Distribution



Red (93%)

Green (88%)

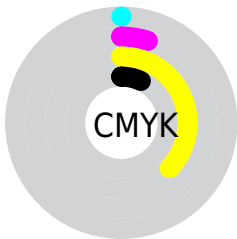
Blue (58%)



Red (64%)

Yellow (93%)

Blue (58%)

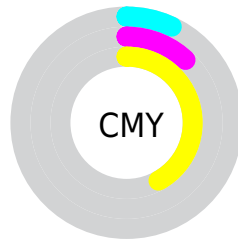


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 39.304, 99.252 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, 39.304, 99.252 by changing the saturation by 10% instead.

 89, 39.304, 99.252

 89, 39.304, 99.252

 100, 39.304,
99.252

 79, 39.304, 99.252

 69, 39.304, 99.252

 59, 39.304, 99.252

 49, 39.304, 99.252

 39, 39.304, 99.252

 29, 39.304, 99.252

 19, 39.304, 99.252

 9, 39.304, 99.252

 0, 39.304, 99.252

89, 39.304, 99.252

89, 39.304, 99.252

88, 49.500, 98.101

90, 28.865,
100.406

87, 59.199, 96.955

92, 18.325,
101.541

86, 68.004, 95.827

85, 75.326, 94.721

93, 7.774, 102.643

84, 80.444, 93.627

94, 2.740, 283.795

83, 82.857, 92.511

96, 6.649, 277.630

82, 83.243, 92.217

96, 5.385, 260.513

97, 4.824, 236.684

98, 5.191, 211.987

99, 5.856, 199.148

Harmonies

Complementary

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



89, 39.304, 99.252



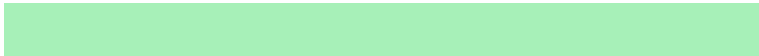
68, 41.876, 288.927

Rectangle

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



89, 39.304, 99.252



89, 39.304, 149.252



89, 39.304, 279.252



89, 39.304, 329.252

Sweetspot

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



89, 39.305, 99.256



98, 12.239, 102.247



71, 35.818, 11.593



52, 8.226, 102.097



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, 39.305, 99.256



94, 49.798, 98.359



90, 46.715, 121.640



50, 6.010, 102.418



65, 68.631, 92.412



20, 28.176, 94.332

Inverse Universe

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



68, 41.876, 288.927



67, 54.068, 290.517



68, 50.241, 306.094



46, 6.101, 284.572



24, 96.303, 303.972



4, 33.992, 296.007

Previews

White Background



This preview shows how the CIELCh color 89, 39.304, 99.252 looks on a white background.

Color Contrast Check

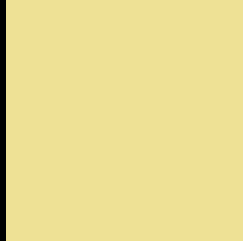
Large Text (above 18pt) WCAG AA × Fail

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, 39.304, 99.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

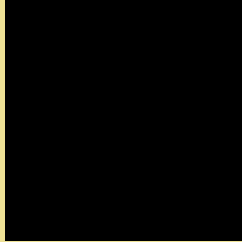
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 39.304, 99.252

Background



This preview shows how black text looks on a background with the CIELCh color 89, 39.304, 99.252.



This preview shows how white text looks on a background with the CIELCh color 89, 39.304, 99.252.

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


89, 39.304, 99.252

Protanopia

89, 39.390, 95.064

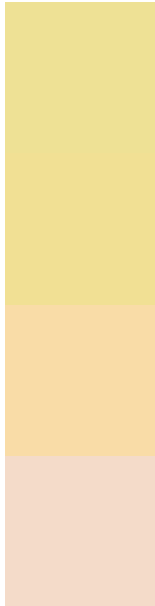
Deuteranopia

89, 25.768, 72.899



Tritanopia
89, 14.230, 344.729

Trichromacy



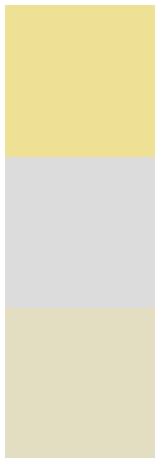
Original Color
89, 39.304, 99.252

Protanomaly
89, 39.602, 96.905

Deuteranomaly
89, 29.857, 85.132

Tritanomaly
89, 13.309, 64.202

Monochromacy



Original Color
89, 39.304, 99.252

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 14.647, 101.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 39.304, 99.252 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(238, 225, 149)` looks like.

```
.text, #text, p{  
    color:rgb(238, 225, 149)  
}
```

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(238, 225, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 225, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 39.304, 99.252 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(238, 225, 149) }
```

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

```
.border{ border-color:rgb(238, 225, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 225, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 225, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 225, 149);  
box-shadow:4px 4px 4px 4px rgb(238, 225,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 39.304, 99.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 225, 149) }
```

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

```
.background{ background-color: rgb(238,  
225, 149) }
```

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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