

Converting Colors

CIELCh(89, 47.666, 103.689)

Have a look what the booklet for
CIELCh(89, 47.666, 103.689)
contains.

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Color

CIELCh(89, 47.281, 103.270)

Conversions

Conversions Part 1

Format	Color
Hex	E9E386
RGB	233, 227, 134
RGB Percent	91%, 89%, 53%
CMY	0.0853, 0.1088, 0.4736
CMYK	0.00, 0.03, 0.42, 0.09
HSL	56°, 69%, 72%
HSV	56°, 42%, 91%
XYZ	65.5404, 74.1641, 33.4985
YIQ	218.1920, 33.4290, -27.6510

Conversions

Conversions Part 2

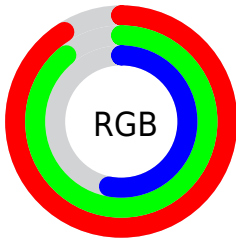
Format	Color
R _Y B	140, 233, 134
Decimal	15328134
CIE Lab	89.00, -10.85, 46.02
CIE LCh	89, 47.281, 103.270
Yxy	74.1641, 0.3784, 0.4282
Android (android.graphics.Color)	4293518214 (0xFFE9E386)
YUV	218.1920, -41.5067, 12.9866
Hunter-Lab	86.1186, -14.8605, 37.2204

Details

The CIELCh color **89, 47.281, 103.270** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **61, 52.212, 293.735**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 33.205, 107.650**, and **69, 47.400, 103.192** is the 20% darker color. If you saturate the color by 10%, you get **88, 57.634, 102.283**, and if you desaturate by 10%, it is **90, 36.438, 104.297**.

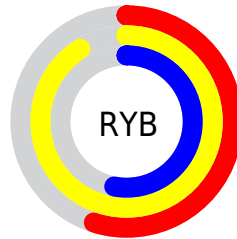
Distribution



Red (91%)

Green (89%)

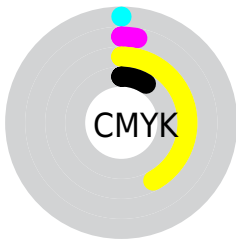
Blue (53%)



Red (55%)

Yellow (91%)

Blue (53%)

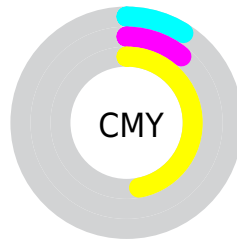


Cyan (0%)

Magenta (3%)

Yellow (42%)

Black (9%)



Cyan (9%)


Magenta (11%)

Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 47.281, 103.270 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, 47.281, 103.270 by changing the saturation by 10% instead.


 89, 47.281,
103.270

 89, 47.281,
103.270


 100, 47.281,
103.270


 79, 47.281,
103.270

 69, 47.281,
103.270

 59, 47.281,
103.270

 49, 47.281,
103.270

 39, 47.281,
103.270

 29, 47.281,
103.270

 19, 47.281,

103.270

■ 9, 47.281, 103.270

■ 0, 47.281, 103.270

■ 89, 47.281,
103.270

■ 89, 47.281,
103.270

■ 88, 57.634,
102.283

■ 90, 36.438,
104.297

■ 88, 67.151,
101.351

■ 90, 25.321,
105.334

■ 87, 75.338,
100.506

■ 91, 14.068,
106.365

■ 87, 81.576, 99.776

■ 92, 2.763, 107.355

■ 86, 85.316, 99.174

■ 93, 8.541, 288.395

■ 86, 86.640, 98.788

■ 94, 9.959, 286.084

■ 94, 9.271, 282.657

■ 94, 8.622, 278.708

■ 95, 8.021, 274.153

Harmonies

Complementary

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



89, 47.281, 103.270



61, 52.212, 293.735

Rectangle

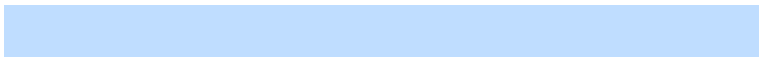
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 47.281, 103.270



89, 47.281, 153.270



89, 47.281, 283.270



89, 47.281, 333.270

Sweetspot

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



89, 47.282, 103.273



99, 15.787, 106.303



67, 40.674, 18.819



53, 11.045, 106.075



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, 47.282, 103.273



96, 60.360, 102.399



88, 52.921, 124.624



49, 6.448, 106.669



68, 71.719, 98.857



20, 29.046, 100.082

Inverse Universe

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



61, 52.212, 293.735



60, 68.660, 295.564



64, 56.889, 309.108



45, 6.576, 288.668



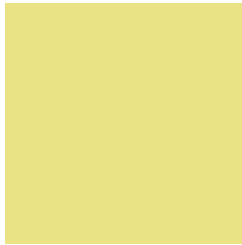
22, 100.715, 305.541



3, 34.228, 296.624

Previews

White Background



This preview shows how the CIELCh color 89, 47.281, 103.270 looks on a white background.

Color Contrast Check

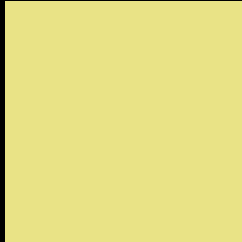
Large Text (above 18pt) WCAG AA × Fail

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, 47.281, 103.270 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, 47.281, 103.270

Background



This preview shows how black text looks on a background with the CIELCh color 89, 47.281, 103.270.



This preview shows how white text looks on a background with the CIELCh color 89, 47.281, 103.270.

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, 47.281, 103.270

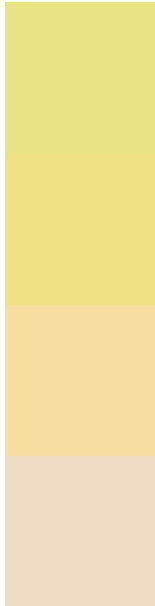
Protanopia
89, 47.213, 95.733

Deuteranopia
89, 27.085, 74.574



Tritanopia
89, 13.406, 339.143

Trichromacy



Original Color
89, 47.281, 103.270

Protanomaly
89, 47.294, 98.269

Deuteranomaly
89, 33.255, 89.260

Tritanomaly
89, 14.159, 76.798

Monochromacy



Original Color
89, 47.281, 103.270

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 17.169, 104.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 47.281, 103.270 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(233, 227, 134)` looks like.

```
.text, #text, p{  
    color:rgb(233, 227, 134)  
}
```

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(233, 227, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 227, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 47.281, 103.270 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(233, 227, 134) }
```

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

```
.border{ border-color:rgb(233, 227, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 227, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 227, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 227, 134);  
box-shadow:4px 4px 4px 4px rgb(233, 227,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 47.281, 103.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 227, 134) }
```

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

```
.background{ background-color: rgb(233,  
227, 134) }
```

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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