

Converting Colors

CIELCh(89, 38.203, 96.077)

Have a look what the booklet for
CIELCh(89, 38.203, 96.077) contains.

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Color

CIELCh(89, 38.203, 96.077)

Conversions

Conversions Part 1

Format	Color
Hex	F2E097
RGB	242, 224, 151
RGB Percent	95%, 88%, 59%
CMY	0.0524, 0.1229, 0.4091
CMYK	0.00, 0.07, 0.38, 0.05
HSL	48°, 77%, 77%
HSV	48°, 38%, 95%
XYZ	68.6179, 74.1641, 39.8381
YIQ	221.0600, 34.1610, -18.8870

Conversions

Conversions Part 2

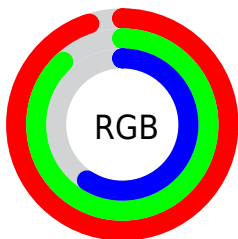
Format	Color
R_{YB}	173, 242, 151
Decimal	15917207
CIE _{Lab}	89.00, -4.04, 37.99
CIE _{LCh}	89, 38.203, 96.077
Yxy	74.1641, 0.3757, 0.4061
Android (android.graphics.Color)	4294107287 (0xFFFF2E097)
YUV	221.0600, -34.5396, 18.3644
Hunter-Lab	86.1186, -8.4817, 32.8557

Details

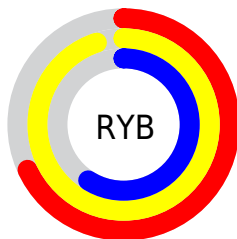
The CIELCh color **89, 38.203, 96.077** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 40.093, 286.269**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.734, 108.302**, and **69, 38.263, 95.830** is the 20% darker color. If you saturate the color by 10%, you get **87, 48.187, 94.840**, and if you desaturate by 10%, it is **91, 28.050, 97.304**.

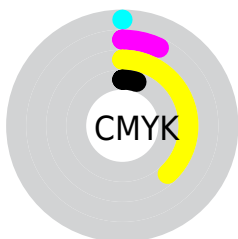
Distribution



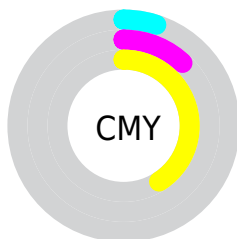
- Red (95%)
- Green (88%)
- Blue (59%)



- Red (68%)
- Yellow (95%)
- Blue (59%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (5%)



- Cyan (5%)
- Magenta (12%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 38.203, 96.077 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, 38.203, 96.077 by changing the saturation by 10% instead.

89, 38.203, 96.077

89, 38.203, 96.077

100, 38.203,
96.077

79, 38.203, 96.077

69, 38.203, 96.077

59, 38.203, 96.077

49, 38.203, 96.077

39, 38.203, 96.077

29, 38.203, 96.077

19, 38.203, 96.077

9, 38.203, 96.077

0, 38.203, 96.077

89, 38.203, 96.077

89, 38.203, 96.077

87, 48.187, 94.840

91, 28.050, 97.304

86, 57.766, 93.586

92, 17.858, 98.499

85, 66.551, 92.318

94, 7.703, 99.653

83, 73.942, 91.020

96, 2.376, 280.881

82, 79.165, 89.653

97, 4.294, 262.222

81, 81.633, 88.151

98, 3.905, 219.857

80, 82.004, 87.786

99, 4.604, 199.257

Harmonies

Complementary

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



89, 38.203, 96.077



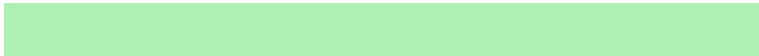
70, 40.093, 286.269

Rectangle

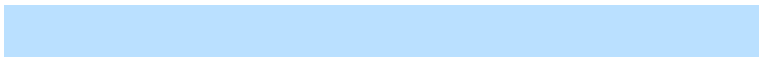
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 38.203, 96.077



89, 38.203, 146.077



89, 38.203, 276.077



89, 38.203, 326.077

Sweetspot

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



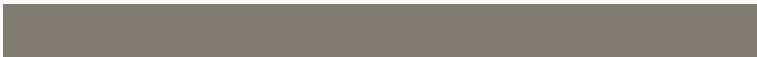
89, 38.204, 96.081



98, 11.598, 99.269



72, 36.700, 7.846



52, 7.798, 99.113



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



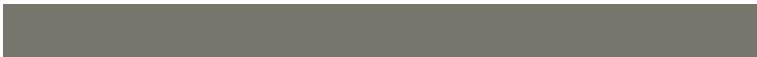
89, 38.204, 96.081



92, 47.603, 95.154



92, 47.141, 119.608



49, 5.694, 99.447



63, 66.840, 88.083



19, 27.000, 90.461

Inverse Universe

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



70, 40.093, 286.269



69, 50.690, 287.862



68, 51.017, 304.509



47, 5.761, 281.700



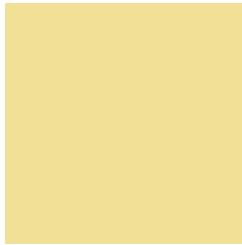
26, 91.641, 302.504



5, 32.648, 294.872

Previews

White Background



This preview shows how the CIELCh color 89, 38.203, 96.077 looks on a white background.

Color Contrast Check

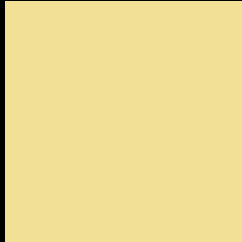
Large Text (above 18pt) WCAG AA × Fail

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, 38.203, 96.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

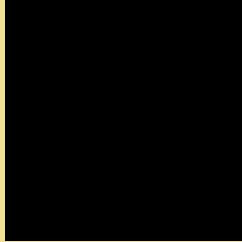
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 38.203, 96.077

Background



This preview shows how black text looks on a background with the CIELCh color 89, 38.203, 96.077.



This preview shows how white text looks on a background with the CIELCh color 89, 38.203, 96.077.

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](#).

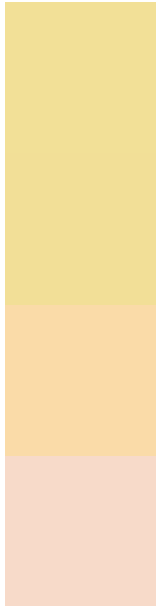
Dichromacy





Tritanopia
89, 15.443, 348.038

Trichromacy



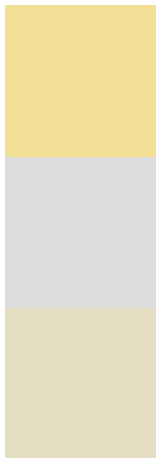
Original Color
89, 38.203, 96.077

Protanomaly
89, 37.825, 95.366

Deuteranomaly
89, 29.272, 83.038

Tritanomaly
89, 14.121, 58.436

Monochromacy



Original Color
89, 38.203, 96.077

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 14.250, 98.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 38.203, 96.077 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(242, 224, 151)` looks like.

```
.text, #text, p{  
    color:rgb(242, 224, 151)  
}
```

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(242, 224, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 224, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 38.203, 96.077 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(242, 224, 151) }
```

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

```
.border{ border-color:rgb(242, 224, 151) }
```

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

Here you see how a box with a 4 pixel rgb(242, 224, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 224, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 224, 151);  
box-shadow:4px 4px 4px 4px rgb(242, 224,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 38.203, 96.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 224, 151) }
```

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

```
.background{ background-color: rgb(242,  
224, 151) }
```

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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