

Converting Colors

CIELCh(90, 50.459, 107.401)

Have a look what the booklet for
CIELCh(90, 50.459, 107.401)
contains.

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Color

CIELCh(90, 50.430, 107.416)

Conversions

Conversions Part 1

Format	Color
Hex	E5E884
RGB	229, 232, 132
RGB Percent	90%, 91%, 52%
CMY	0.1005, 0.0888, 0.4811
CMYK	0.01, 0.00, 0.43, 0.09
HSL	62°, 69%, 72%
HSV	62°, 43%, 91%
XYZ	65.5712, 76.3034, 33.2198
YIQ	219.7030, 30.3120, -31.7360

Conversions

Conversions Part 2

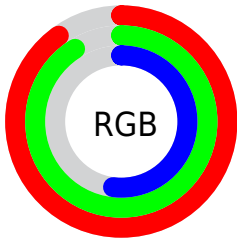
Format	Color
RYB	132, 232, 135
Decimal	15067268
CIELab	90.00, -15.09, 48.12
CIELCh	90, 50.430, 107.416
Yxy	76.3034, 0.3745, 0.4358
Android (android.graphics.Color)	4293257348 (0xFFE5E884)
YUV	219.7030, -43.2376, 8.1535
Hunter-Lab	87.3518, -18.8735, 38.5983

Details

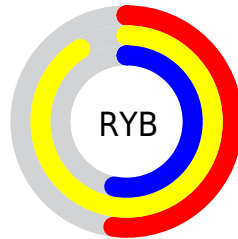
The CIELCh color **90, 50.430, 107.416** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **60, 56.539, 296.991**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **70, 50.560, 107.558** is the 20% darker color. If you saturate the color by 10%, you get **90, 61.122, 106.591**, and if you desaturate by 10%, it is **90, 39.135, 108.307**.

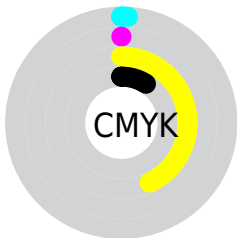
Distribution



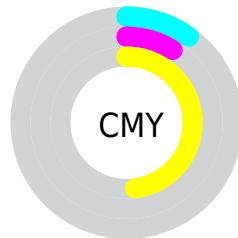
- Red (90%)
- Green (91%)
- Blue (52%)



- Red (52%)
- Yellow (91%)
- Blue (53%)



- Cyan (1%)
- Magenta (0%)
- Yellow (43%)
- Black (9%)





- Cyan (10%)
- Magenta (9%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 50.430, 107.416 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, 50.430, 107.416 by changing the saturation by 10% instead.


 90, 50.430,
107.416


 90, 50.430,
107.416


 100, 50.430,
107.416


 80, 50.430,
107.416

 70, 50.430,
107.416

 60, 50.430,
107.416

 50, 50.430,
107.416

 40, 50.430,
107.416

 30, 50.430,
107.416

 20, 50.430,

107.416

■ 10, 50.430,
107.416

■ 0, 50.430, 107.416

■ 90, 50.430,
107.416

■ 90, 50.430,
107.416

■ 90, 61.122,
106.591

■ 90, 39.135,
108.307

■ 89, 70.846,
105.862

■ 91, 27.477,
109.226

■ 89, 79.103,
105.278

■ 91, 15.614,
110.154

■ 89, 85.318,
104.889

■ 92, 3.647, 111.064

■ 93, 8.357, 291.990

■ 89, 89.052,
104.729

■ 93, 11.718,
293.072

■ 89, 90.400,
104.733

■ 93, 11.732,
294.232

■ 93, 11.751,
295.390

■ 93, 11.774,
296.546

Harmonies

Complementary

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



90, 50.430, 107.416



60, 56.539, 296.991

Rectangle

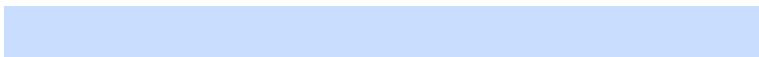
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 50.430, 107.416



90, 50.430, 157.416



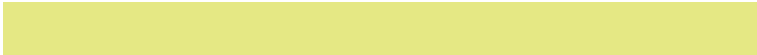
90, 50.430, 287.416



90, 50.430, 337.416

Sweetspot

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



90, 50.431, 107.419



99, 16.774, 110.153



66, 41.225, 24.960



53, 11.731, 109.947



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, 50.431, 107.419



97, 64.708, 106.653



87, 54.630, 127.634



49, 6.856, 110.484



71, 74.995, 104.703



21, 30.655, 105.134

Inverse Universe

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



60, 56.539, 296.991



58, 75.034, 298.717



64, 58.029, 311.778



45, 7.010, 292.292



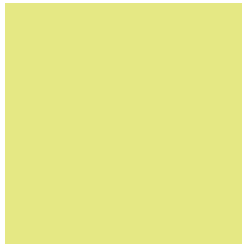
21, 103.321, 306.378



2, 35.795, 298.461

Previews

White Background



This preview shows how the CIELCh color 90, 50.430, 107.416 looks on a white background.

Color Contrast Check

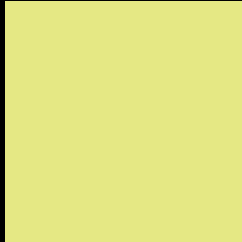
Large Text (above 18pt) WCAG AA × Fail

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, 50.430, 107.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

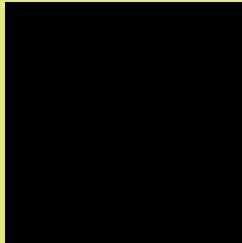
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 50.430, 107.416

Background



This preview shows how black text looks on a background with the CIELCh color 90, 50.430, 107.416.

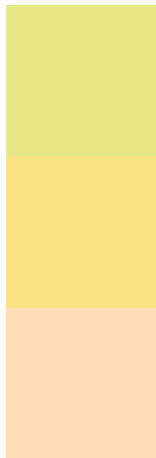


This preview shows how white text looks on a background with the CIELCh color 90, 50.430, 107.416.

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

90, 50.430, 107.416

Protanopia

90, 49.616, 95.568

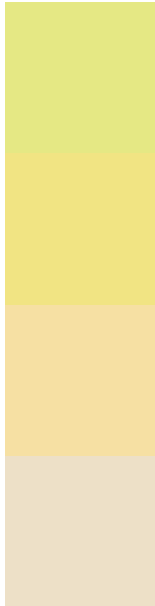
Deuteranopia

90, 24.547, 74.549



Tritanopia
90, 11.613, 330.708

Trichromacy



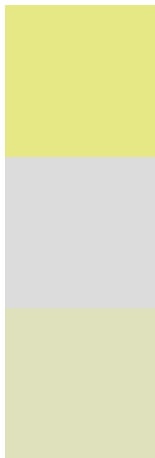
Original Color
90, 50.430, 107.416

Protanomaly
90, 49.426, 99.899

Deuteranomaly
90, 32.675, 91.985

Tritanomaly
90, 13.838, 88.366

Monochromacy



Original Color
90, 50.430, 107.416

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 18.651, 109.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 50.430, 107.416 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(229, 232, 132)` looks like.

```
.text, #text, p{  
    color:rgb(229, 232, 132)  
}
```

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(229, 232, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 232, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 50.430, 107.416 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(229, 232, 132) }
```

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

```
.border{ border-color:rgb(229, 232, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 232, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 232, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 232, 132);  
box-shadow:4px 4px 4px 4px rgb(229, 232,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 50.430, 107.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 232, 132) }
```

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

```
.background{ background-color: rgb(229,  
232, 132) }
```

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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