

Converting Colors

CIELCh(90, 46.408, 106.780)

Have a look what the booklet for
CIELCh(90, 46.408, 106.780)
contains.

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Color

CIELCh(90, 46.582, 106.846)

Conversions

Conversions Part 1

Format	Color
Hex	E7E88C
RGB	231, 232, 140
RGB Percent	91%, 91%, 55%
CMY	0.0957, 0.0917, 0.4524
CMYK	0.00, 0.00, 0.40, 0.09
HSL	61°, 66%, 73%
HSV	61°, 40%, 91%
XYZ	66.2837, 76.3034, 35.9058
YIQ	221.2130, 28.9360, -28.8240

Conversions

Conversions Part 2

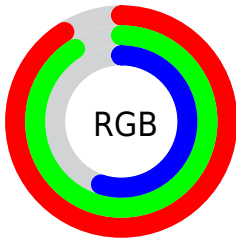
Format	Color
R_{YB}	140, 232, 141
Decimal	15198348
CIE Lab	90.00, -13.50, 44.58
CIE LCh	90, 46.582, 106.846
Yxy	76.3034, 0.3714, 0.4275
Android (android.graphics.Color)	4293388428 (0xFFE7E88C)
YUV	221.2130, -40.0380, 8.5832
Hunter-Lab	87.3518, -17.4174, 36.7752

Details

The CIELCh color **90, 46.582, 106.846** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **62, 51.652, 295.858**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 30.226, 107.879**, and **70, 46.762, 107.060** is the 20% darker color. If you saturate the color by 10%, you get **90, 57.481, 105.967**, and if you desaturate by 10%, it is **90, 35.176, 107.779**.

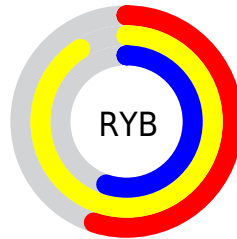
Distribution



Red (91%)

Green (91%)

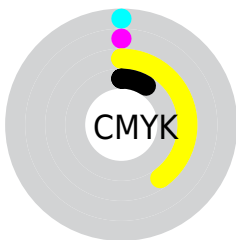
Blue (55%)



Red (55%)

Yellow (91%)

Blue (55%)

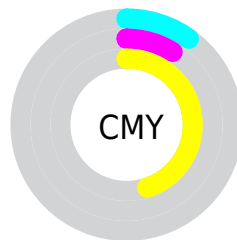


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (9%)



Cyan (10%)


Magenta (9%)

Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 46.582, 106.846 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, 46.582, 106.846 by changing the saturation by 10% instead.


 90, 46.582,
106.846


 90, 46.582,
106.846


 100, 46.582,
106.846


 80, 46.582,
106.846

 70, 46.582,
106.846

 60, 46.582,
106.846

 50, 46.582,
106.846

 40, 46.582,
106.846

 30, 46.582,
106.846

 20, 46.582,

106.846

■ 10, 46.582,
106.846

■ 0, 46.582, 106.846

■ 90, 46.582,
106.846

■ 90, 46.582,
106.846

■ 90, 57.481,
105.967

■ 90, 35.176,
107.779

■ 89, 67.548,
105.167

■ 91, 23.468,
108.732

■ 89, 76.330,
104.488

■ 91, 11.595,
109.687

■ 89, 83.264,
103.975

■ 92, 0.356, 290.828

■ 93, 12.094,

■ 89, 87.832,
103.665

291.560

■ 89, 90.073,
103.548

■ 93, 12.096,
291.972

■ 89, 90.126,
103.546

■ 93, 12.099,
292.384

■ 93, 12.102,
292.796

■ 93, 12.107,
293.208

Harmonies

Complementary

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



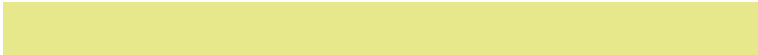
90, 46.582, 106.846



62, 51.652, 295.858

Rectangle

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



90, 46.582, 106.846



90, 46.582, 156.846



90, 46.582, 286.846



90, 46.582, 336.846

Sweetspot

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



90, 46.583, 106.849



99, 15.482, 109.464



68, 38.051, 23.297



53, 10.266, 109.338



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, 46.583, 106.849



98, 60.153, 106.092



87, 50.189, 127.198



48, 6.731, 109.712



70, 74.163, 103.535



20, 29.315, 104.274

Inverse Universe

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



62, 51.652, 295.858



61, 68.726, 297.458



66, 53.162, 311.068



44, 6.882, 291.577



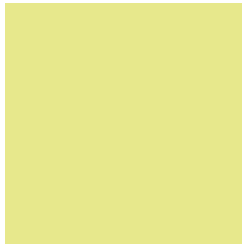
21, 102.334, 306.321



2, 33.695, 297.041

Previews

White Background



This preview shows how the CIELCh color 90, 46.582, 106.846 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, 46.582, 106.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

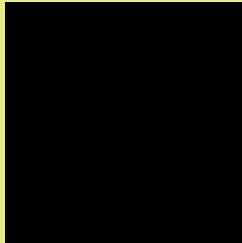
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 46.582, 106.846

Background



This preview shows how black text looks on a background with the CIELCh color 90, 46.582, 106.846.

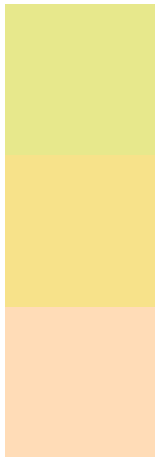


This preview shows how white text looks on a background with the CIELCh color 90, 46.582, 106.846.

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](#).

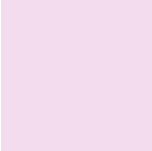
Dichromacy



Original Color
90, 46.582, 106.846

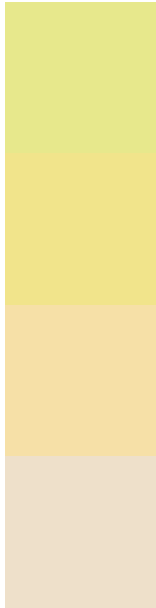
Protanopia
90, 45.708, 95.595

Deuteranopia
90, 23.671, 73.312



Tritanopia
90, 11.845, 332.052

Trichromacy



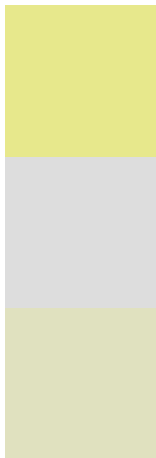
Original Color
90, 46.582, 106.846

Protanomaly
90, 45.581, 99.749

Deuteranomaly
90, 30.706, 91.216

Tritanomaly
90, 12.541, 84.458

Monochromacy



Original Color
90, 46.582, 106.846

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 17.606, 109.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 46.582, 106.846 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(231, 232, 140)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 140)  
}
```

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(231, 232, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 46.582, 106.846 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(231, 232, 140) }
```

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

```
.border{ border-color:rgb(231, 232, 140) }
```

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

Here you see how a box with a 4 pixel rgb(231, 232, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 140);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 46.582, 106.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 140) }
```

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

```
.background{ background-color: rgb(231,  
232, 140) }
```

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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