

Converting Colors

CIELCh(90, 59.720, 106.764)

Have a look what the booklet for
CIELCh(90, 59.720, 106.764)
contains.

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Color

CIELCh(90, 59.659, 106.873)

Conversions

Conversions Part 1

Format	Color
Hex	E5E971
RGB	229, 233, 113
RGB Percent	90%, 91%, 44%
CMY	0.1010, 0.0853, 0.5560
CMYK	0.02, 0.00, 0.51, 0.09
HSL	62°, 73%, 68%
HSV	62°, 51%, 91%
XYZ	64.5868, 76.3034, 27.0112
YIQ	218.1240, 36.1360, -38.1680

Conversions

Conversions Part 2

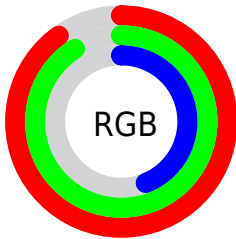
Format	Color
RYB	113, 233, 117
Decimal	15067505
CIELab	90.00, -17.32, 57.09
CIELCh	90, 59.659, 106.873
Yxy	76.3034, 0.3847, 0.4545
Android (android.graphics.Color)	4293257585 (0xFFE5E971)
YUV	218.1240, -51.8261, 9.5383
Hunter-Lab	87.3518, -20.8851, 42.8124

Details

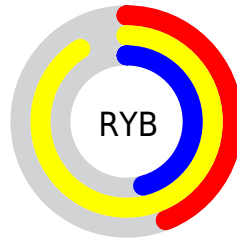
The CIELCh color **90, 59.659, 106.873** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **54, 68.959, 298.643**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 43.504, 106.854**, and **70, 59.616, 106.746** is the 20% darker color. If you saturate the color by 10%, you get **90, 69.598, 106.134**, and if you desaturate by 10%, it is **90, 48.819, 107.710**.

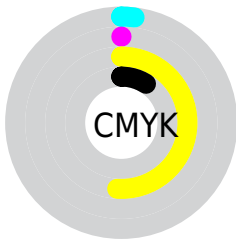
Distribution



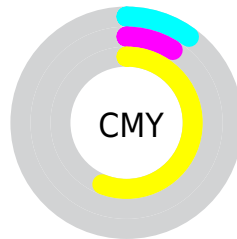
- Red (90%)
- Green (91%)
- Blue (44%)



- Red (44%)
- Yellow (91%)
- Blue (46%)



- Cyan (2%)
- Magenta (0%)
- Yellow (51%)
- Black (9%)





- Cyan (10%)
- Magenta (9%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 59.659, 106.873 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, 59.659, 106.873 by changing the saturation by 10% instead.


 90, 59.659,
106.873


 90, 59.659,
106.873


 100, 59.659,
106.873


 80, 59.659,
106.873

 70, 59.659,
106.873

 60, 59.659,
106.873

 50, 59.659,
106.873

 40, 59.659,
106.873

 30, 59.659,
106.873

 20, 59.659,

106.873

■ 10, 59.659,
106.873

■ 0, 59.659, 106.873

■ 90, 59.659,
106.873

■ 90, 59.659,
106.873

■ 90, 69.598,
106.134

■ 90, 48.819,
107.710

■ 90, 78.152,
105.531

■ 91, 37.416,
108.600

■ 89, 84.748,
105.118

■ 91, 25.680,
109.517

■ 89, 88.901,
104.934

■ 92, 13.757,
110.439

■ 89, 90.673,
104.944

■ 92, 1.743, 111.325

■ 93, 10.301,
292.257

■ 93, 11.261,
293.570

■ 93, 11.279,
294.919

■ 93, 11.304,
296.264

Harmonies

Complementary

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



90, 59.659, 106.873



54, 68.959, 298.643

Rectangle

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



90, 59.659, 106.873



90, 59.659, 156.873



90, 59.659, 286.873



90, 59.659, 336.873

Sweetspot

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



90, 59.660, 106.876



99, 19.346, 110.107



62, 50.738, 26.515



53, 13.190, 109.911



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, 59.660, 106.876



97, 75.295, 106.077



86, 64.842, 127.281



49, 6.856, 110.622



71, 75.007, 104.910



21, 30.656, 105.321

Inverse Universe

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



54, 68.959, 298.643



50, 90.977, 300.823



59, 69.790, 312.206



45, 7.010, 292.419



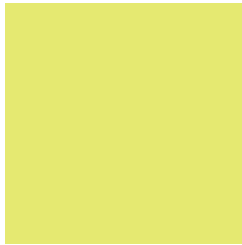
21, 103.304, 306.388



2, 35.802, 298.540

Previews

White Background



This preview shows how the CIELCh color 90, 59.659, 106.873 looks on a white background.

Color Contrast Check

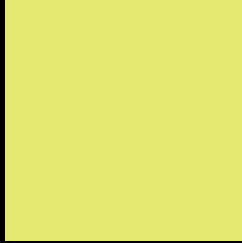
Large Text (above 18pt) WCAG AA × Fail

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, 59.659, 106.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

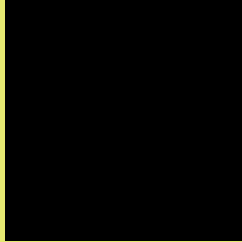
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 59.659, 106.873

Background



This preview shows how black text looks on a background with the CIELCh color 90, 59.659, 106.873.

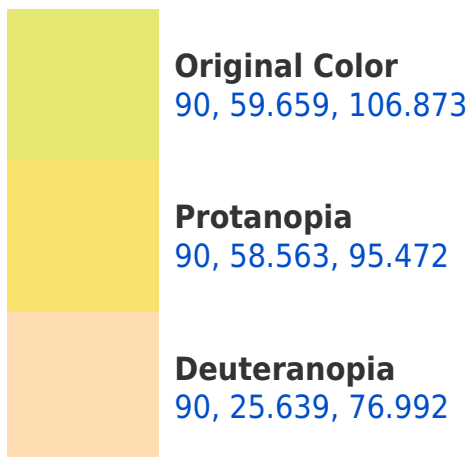


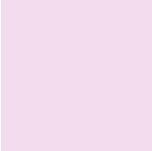
This preview shows how white text looks on a background with the CIELCh color 90, 59.659, 106.873.

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](#).

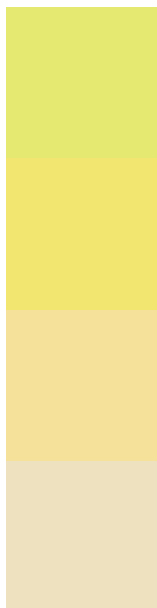
Dichromacy





Tritanopia
90, 11.845, 332.052

Trichromacy



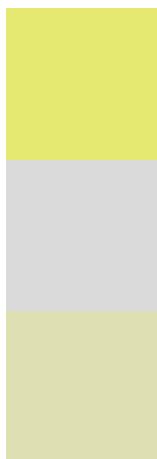
Original Color
90, 59.659, 106.873

Protanomaly
90, 58.685, 100.042

Deuteranomaly
90, 36.969, 93.972

Tritanomaly
90, 17.668, 93.769

Monochromacy



Original Color
90, 59.659, 106.873

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 22.777, 110.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 59.659, 106.873 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, 233, 113)` looks like.

```
.text, #text, p{  
    color:rgb(229, 233, 113)  
}
```

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, 233, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 233, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 59.659, 106.873 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, 233, 113) }
```

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

```
.border{ border-color:rgb(229, 233, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 233, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 233, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 233, 113);  
box-shadow:4px 4px 4px 4px rgb(229, 233,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 59.659, 106.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 233, 113) }
```

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

```
.background{ background-color: rgb(229,  
233, 113) }
```

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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