

Converting Colors

CIELCh(90, 54.616, 113.410)

Have a look what the booklet for
CIELCh(90, 54.616, 113.410)
contains.

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Color

CIELCh(90, 54.587, 113.422)

Conversions

Conversions Part 1

Format	Color
Hex	DAEC80
RGB	218, 236, 128
RGB Percent	85%, 93%, 50%
CMY	0.1459, 0.0753, 0.4988
CMYK	0.08, 0.00, 0.46, 0.08
HSL	70°, 74%, 71%
HSV	70°, 46%, 92%
XYZ	62.6743, 76.3034, 31.7821
YIQ	218.3060, 23.9400, -37.4040

Conversions

Conversions Part 2

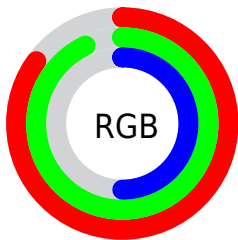
Format	Color
R _Y B	128, 236, 146
Decimal	14347392
CIE Lab	90.00, -21.70, 50.09
CIE LCh	90, 54.587, 113.422
Yxy	76.3034, 0.3670, 0.4468
Android (android.graphics.Color)	4292537472 (0xFFDAEC80)
YUV	218.3060, -44.5209, -0.2684
Hunter-Lab	87.3518, -24.7931, 39.5741

Details

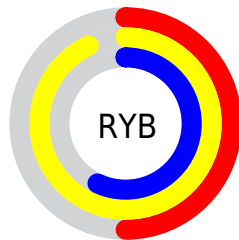
The CIELCh color **90, 54.587, 113.422** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **59, 61.295, 301.306**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **70, 54.297, 113.511** is the 20% darker color. If you saturate the color by 10%, you get **89, 65.317, 112.832**, and if you desaturate by 10%, it is **91, 43.174, 114.103**.

Distribution



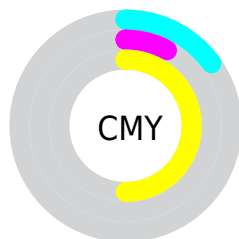
- Red (85%)
- Green (93%)
- Blue (50%)



- Red (50%)
- Yellow (93%)
- Blue (57%)



- Cyan (8%)
- Magenta (0%)
- Yellow (46%)
- Black (8%)





- Cyan (15%)
- Magenta (8%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 54.587, 113.422 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, 54.587, 113.422 by changing the saturation by 10% instead.


 90, 54.587,
113.422


 90, 54.587,
113.422


 100, 54.587,
113.422


 80, 54.587,
113.422

 70, 54.587,
113.422

 60, 54.587,
113.422

 50, 54.587,
113.422

 40, 54.587,
113.422

 30, 54.587,
113.422

 20, 54.587,

113.422

■ 10, 54.587,
113.422

■ 0, 54.587, 113.422

■ 90, 54.587,
113.422

■ 90, 54.587,
113.422

■ 89, 65.317,
112.832

■ 91, 43.174,
114.103

■ 89, 74.966,
112.386

■ 91, 31.343,
114.826

■ 89, 83.007,
112.165

■ 92, 19.273,
115.563

■ 88, 88.870,
112.257

■ 93, 7.080, 116.294

■ 94, 5.156, 297.006

■ 88, 92.206,
112.725

■ 94, 10.106,
301.911

■ 88, 93.097,
112.998

■ 95, 10.462,
309.250

■ 95, 10.977,
316.055

■ 95, 11.633,
322.220

Harmonies

Complementary

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



90, 54.587, 113.422



59, 61.295, 301.306

Rectangle

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



90, 54.587, 113.422



90, 54.587, 163.422



90, 54.587, 293.422



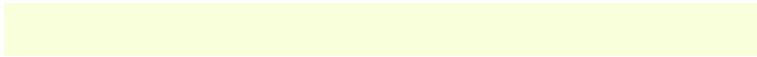
90, 54.587, 343.422

Sweetspot

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



90, 54.588, 113.424



99, 18.208, 115.691



69, 39.987, 36.748



53, 12.563, 115.531



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, 54.588, 113.424



96, 68.687, 112.862



87, 61.236, 132.413



49, 6.911, 116.027



69, 76.335, 112.838



21, 31.018, 112.547

Inverse Universe

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



59, 61.295, 301.306



57, 79.642, 302.593



65, 63.674, 316.631



45, 7.059, 297.432



22, 102.298, 307.009



3, 36.140, 301.669

Previews

White Background



This preview shows how the CIELCh color 90, 54.587, 113.422 looks on a white background.

Color Contrast Check

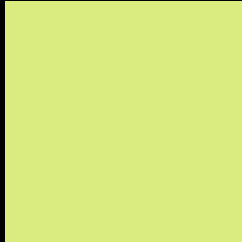
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 54.587, 113.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

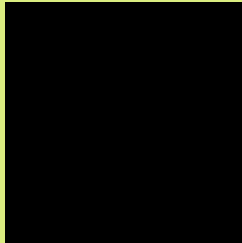
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 54.587, 113.422

Background



This preview shows how black text looks on a background with the CIELCh color 90, 54.587, 113.422.

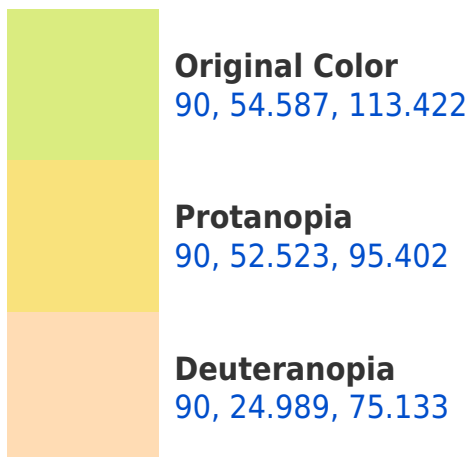


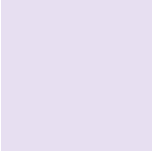
This preview shows how white text looks on a background with the CIELCh color 90, 54.587, 113.422.

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](#).

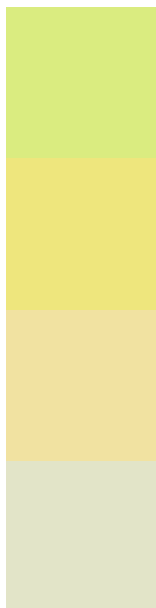
Dichromacy





Tritanopia
90, 9.816, 307.447

Trichromacy



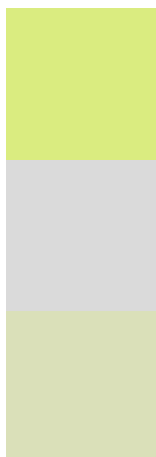
Original Color
90, 54.587, 113.422

Protanomaly
90, 52.954, 102.247

Deuteranomaly
90, 33.946, 97.266

Tritanomaly
90, 14.494, 111.936

Monochromacy



Original Color
90, 54.587, 113.422

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 20.341, 114.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 54.587, 113.422 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(218, 236, 128)` looks like.

```
.text, #text, p{  
    color:rgb(218, 236, 128)  
}
```

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(218, 236, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 236, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 54.587, 113.422 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(218, 236, 128) }
```

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

```
.border{ border-color:rgb(218, 236, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 236, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 236, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 236, 128);  
box-shadow:4px 4px 4px 4px rgb(218, 236,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 54.587, 113.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 236, 128) }
```

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

```
.background{ background-color: rgb(218,  
236, 128) }
```

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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