

Converting Colors

CIELCh(89, 44.793, 109.697)

Have a look what the booklet for
CIELCh(89, 44.793, 109.697)
contains.

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Color

CIELCh(89, 44.794, 110.074)

Conversions

Conversions Part 1

Format	Color
Hex	DFE68E
RGB	223, 230, 142
RGB Percent	87%, 90%, 56%
CMY	0.1259, 0.0984, 0.4435
CMYK	0.03, 0.00, 0.38, 0.10
HSL	65°, 64%, 73%
HSV	65°, 38%, 90%
XYZ	63.5481, 74.1641, 36.5221
YIQ	217.8750, 24.0760, -28.8520

Conversions

Conversions Part 2

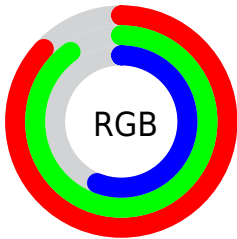
Format	Color
R_{YB}	142, 230, 149
Decimal	14673550
CIE Lab	89.00, -15.37, 42.07
CIE LCh	89, 44.794, 110.074
Yxy	74.1641, 0.3647, 0.4257
Android (android.graphics.Color)	4292863630 (0xFFDFE68E)
YUV	217.8750, -37.4064, 4.4946
Hunter-Lab	86.1186, -18.9899, 35.1387

Details

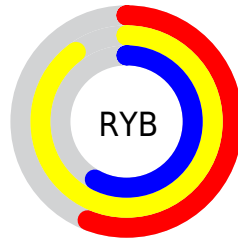
The CIELCh color **89, 44.794, 110.074** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **63, 49.365, 297.663**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 29.230, 107.956**, and **69, 45.043, 110.544** is the 20% darker color. If you saturate the color by 10%, you get **89, 55.743, 109.293**, and if you desaturate by 10%, it is **89, 33.378, 110.909**.

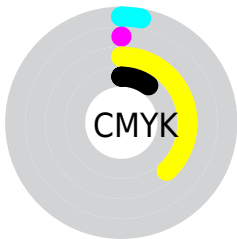
Distribution



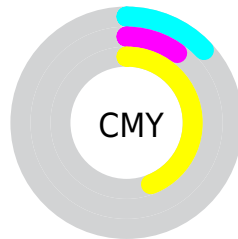
- Red (87%)
- Green (90%)
- Blue (56%)



- Red (56%)
- Yellow (90%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)



- Cyan (13%)
- Magenta (10%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 44.794, 110.074 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, 44.794, 110.074 by changing the saturation by 10% instead.


 89, 44.794,
110.074

 89, 44.794,
110.074


 100, 44.794,
110.074


 79, 44.794,
110.074

 69, 44.794,
110.074

 59, 44.794,
110.074

 49, 44.794,
110.074

 39, 44.794,
110.074

 29, 44.794,
110.074

 19, 44.794,


110.074


 9, 44.794, 110.074


 0, 44.794, 110.074


 89, 44.794,
110.074

 89, 44.794,
110.074

 89, 55.743,
109.293

 89, 33.378,
110.909

 88, 65.926,
108.596

 90, 21.685,
111.761


 88, 74.917,
108.037

 91, 9.842, 112.612

 88, 82.173,
107.678

 91, 2.068, 293.471

 87, 87.154,

 92, 13.025,
294.426

107.579

92, 13.083,
297.159

87, 89.708,
107.763

92, 13.169,
299.873

87, 90.038,
107.807

93, 13.285,
302.554

93, 13.428,
305.194

Harmonies

Complementary

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



89, 44.794, 110.074



63, 49.365, 297.663

Rectangle

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



89, 44.794, 110.074



89, 44.794, 160.074



89, 44.794, 290.074



89, 44.794, 340.074

Sweetspot

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



89, 44.796, 110.077



99, 14.225, 112.376



69, 34.250, 27.897



53, 9.556, 112.260



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, 44.796, 110.077



97, 57.955, 109.445



86, 49.014, 129.583



48, 6.745, 112.512



69, 74.496, 107.727



20, 29.379, 108.088

Inverse Universe

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



63, 49.365, 297.663



63, 65.580, 298.913



67, 51.328, 313.132



44, 6.895, 294.161



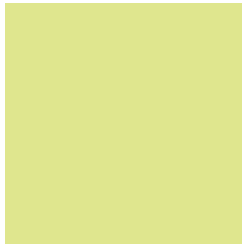
21, 101.969, 306.541



2, 33.824, 298.682

Previews

White Background



This preview shows how the CIELCh color 89, 44.794, 110.074 looks on a white background.

Color Contrast Check

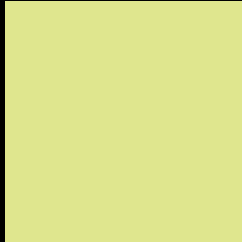
Large Text (above 18pt) WCAG AA × Fail

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, 44.794, 110.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

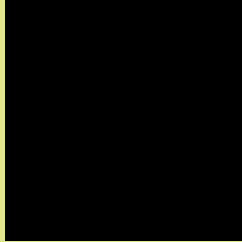
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 44.794, 110.074

Background



This preview shows how black text looks on a background with the CIELCh color 89, 44.794, 110.074.

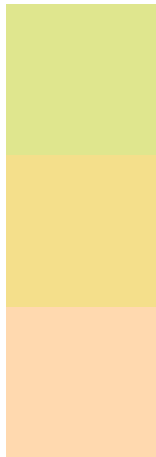


This preview shows how white text looks on a background with the CIELCh color 89, 44.794, 110.074.

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

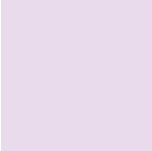
89, 44.794, 110.074

Protanopia

89, 43.871, 95.260

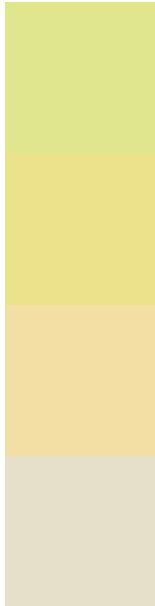
Deuteranopia

89, 26.644, 74.035



Tritanopia
89, 10.380, 321.534

Trichromacy



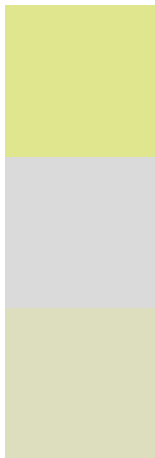
Original Color
89, 44.794, 110.074

Protanomaly
89, 44.042, 101.216

Deuteranomaly
89, 31.628, 92.279

Tritanomaly
89, 11.191, 95.768

Monochromacy



Original Color
89, 44.794, 110.074

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 16.633, 111.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 44.794, 110.074 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(223, 230, 142)` looks like.

```
.text, #text, p{  
    color:rgb(223, 230, 142)  
}
```

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(223, 230, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 230, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 44.794, 110.074 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(223, 230, 142) }
```

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

```
.border{ border-color:rgb(223, 230, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 230, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 230, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 230, 142);  
box-shadow:4px 4px 4px 4px rgb(223, 230,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 44.794, 110.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 230, 142) }
```

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

```
.background{ background-color: rgb(223,  
230, 142) }
```

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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