

Converting Colors

CIELCh(89, 56.227, 110.573)

Have a look what the booklet for
CIELCh(89, 56.227, 110.573)
contains.

CIELCh(89, 56.255, 110.560)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 56.255, 110.560)

Conversions

Conversions Part 1

Format	Color
Hex	DCE878
RGB	220, 232, 120
RGB Percent	86%, 91%, 47%
CMY	0.1379, 0.0908, 0.5300
CMYK	0.05, 0.00, 0.48, 0.09
HSL	66°, 71%, 69%
HSV	66°, 48%, 91%
XYZ	61.6568, 74.1641, 28.7863
YIQ	215.6440, 28.8000, -37.3760

Conversions

Conversions Part 2

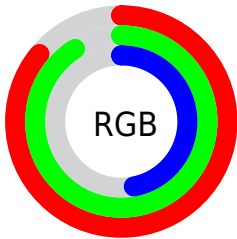
Format	Color
RYB	120, 232, 132
Decimal	14477432
CIELab	89.00, -19.76, 52.67
CIELCh	89, 56.255, 110.560
Yxy	74.1641, 0.3746, 0.4506
Android (android.graphics.Color)	4292667512 (0xFFDCE878)
YUV	215.6440, -47.1525, 3.8202
Hunter-Lab	86.1186, -22.9101, 40.4645

Details

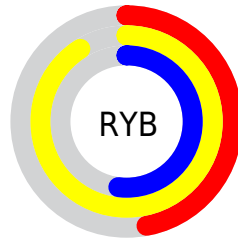
The CIELCh color **89, 56.255, 110.560** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **56, 64.010, 299.996**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 40.096, 107.118**, and **69, 56.172, 110.342** is the 20% darker color. If you saturate the color by 10%, you get **89, 66.531, 109.911**, and if you desaturate by 10%, it is **89, 45.213, 111.306**.

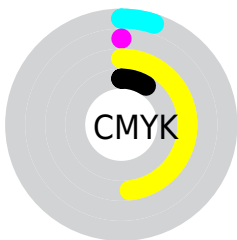
Distribution



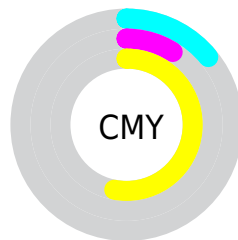
- Red (86%)
- Green (91%)
- Blue (47%)



- Red (47%)
- Yellow (91%)
- Blue (52%)



- Cyan (5%)
- Magenta (0%)
- Yellow (48%)
- Black (9%)





- Cyan (14%)
- Magenta (9%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 56.255, 110.560 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, 56.255, 110.560 by changing the saturation by 10% instead.


 89, 56.255,
110.560

 89, 56.255,
110.560


 100, 56.255,
110.560


 79, 56.255,
110.560

 69, 56.255,
110.560

 59, 56.255,
110.560

 49, 56.255,
110.560

 39, 56.255,
110.560


 29, 56.255,
110.560


 19, 56.255,


110.560


 9, 56.255, 110.560


 0, 56.255, 110.560


 89, 56.255,
110.560


 89, 56.255,
110.560


 89, 66.531,
109.911


 89, 45.213,
111.306

 88, 75.609,
109.406

 90, 33.698,
112.099


 88, 82.942,
109.117

 91, 21.905,
112.913

 88, 87.990,
109.113

 91, 9.962, 113.724

 87, 90.599,

 92, 2.048, 294.538

109.420

93, 12.030,
295.859

87, 90.933,
109.485

93, 12.140,
299.870

93, 12.308,
303.810

93, 12.531,
307.645

Harmonies

Complementary

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



89, 56.255, 110.560



56, 64.010, 299.996

Rectangle

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



89, 56.255, 110.560



89, 56.255, 160.560



89, 56.255, 290.560



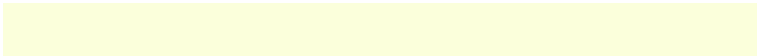
89, 56.255, 340.560

Sweetspot

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



89, 56.256, 110.562



99, 18.121, 113.258



66, 44.021, 31.653



53, 12.503, 113.081



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, 56.256, 110.562



96, 71.494, 109.911



85, 62.294, 130.211



48, 6.755, 113.632



69, 74.754, 109.377



20, 29.446, 109.597

Inverse Universe

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



56, 64.010, 299.996



54, 84.431, 301.621



61, 65.686, 314.642



44, 6.905, 295.199



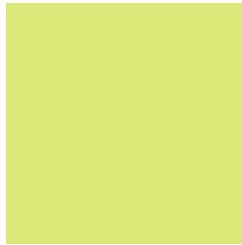
21, 101.775, 306.661



2, 33.883, 299.339

Previews

White Background



This preview shows how the CIELCh color 89, 56.255, 110.560 looks on a white background.

Color Contrast Check

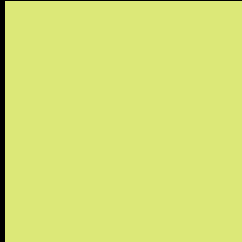
Large Text (above 18pt) WCAG AA × Fail

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, 56.255, 110.560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

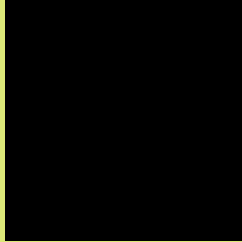
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 56.255, 110.560

Background



This preview shows how black text looks on a background with the CIELCh color 89, 56.255, 110.560.

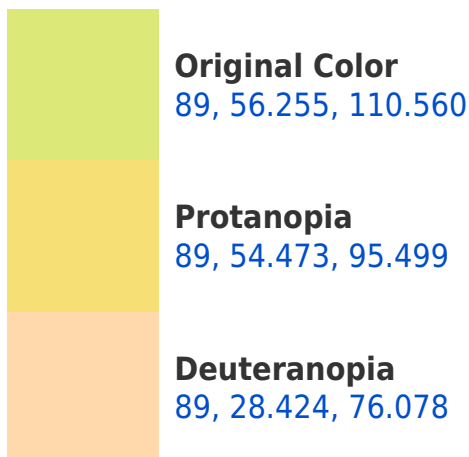


This preview shows how white text looks on a background with the CIELCh color 89, 56.255, 110.560.

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](#).

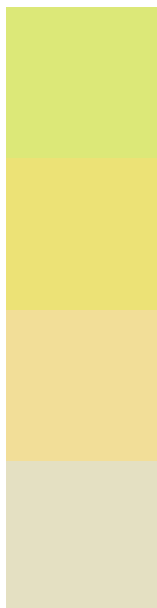
Dichromacy





Tritanopia
89, 10.202, 319.811

Trichromacy



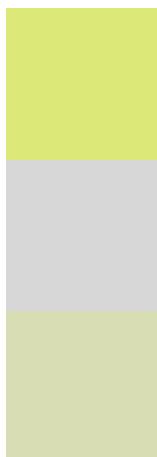
Original Color
89, 56.255, 110.560

Protanomaly
89, 54.533, 101.264

Deuteranomaly
89, 36.959, 94.529

Tritanomaly
89, 15.610, 103.334

Monochromacy



Original Color
89, 56.255, 110.560

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 21.339, 112.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 56.255, 110.560 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(220, 232, 120)` looks like.

```
.text, #text, p{  
    color:rgb(220, 232, 120)  
}
```

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(220, 232, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 232, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 56.255, 110.560 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(220, 232, 120) }
```

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

```
.border{ border-color:rgb(220, 232, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 232, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 232, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 232, 120);  
box-shadow:4px 4px 4px 4px rgb(220, 232,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 56.255, 110.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 232, 120) }
```

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

```
.background{ background-color: rgb(220,  
232, 120) }
```

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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