

Converting Colors

CIELCh(90, 56.143, 111.284)

Have a look what the booklet for
CIELCh(90, 56.143, 111.284)
contains.

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Color

CIELCh(90, 56.254, 111.417)

Conversions

Conversions Part 1

Format	Color
Hex	DDEB7B
RGB	221, 235, 123
RGB Percent	87%, 92%, 48%
CMY	0.1329, 0.0780, 0.5172
CMYK	0.06, 0.00, 0.48, 0.08
HSL	68°, 74%, 70%
HSV	68°, 48%, 92%
XYZ	63.1755, 76.3034, 30.1713
YIQ	218.0460, 27.6080, -37.8000

Conversions

Conversions Part 2

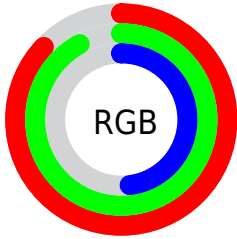
Format	Color
RYB	123, 235, 137
Decimal	14543739
CIELab	90.00, -20.54, 52.37
CIElCh	90, 56.254, 111.417
Yxy	76.3034, 0.3724, 0.4498
Android (android.graphics.Color)	4292733819 (0xFFDDEB7B)
YUV	218.0460, -46.8577, 2.5907
Hunter-Lab	87.3518, -23.7689, 40.6675

Details

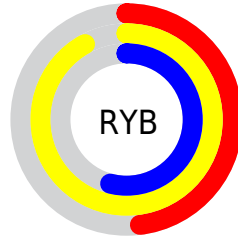
The CIELCh color **90, 56.254, 111.417** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **58, 63.784, 300.386**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 38.628, 107.231**, and **70, 56.240, 111.263** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.729, 110.787**, and if you desaturate by 10%, it is **91, 45.029, 112.142**.

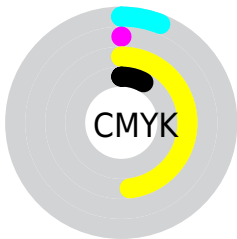
Distribution



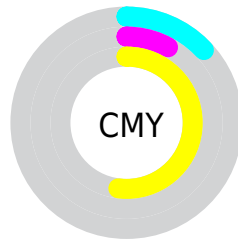
- Red (87%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (54%)



- Cyan (6%)
- Magenta (0%)
- Yellow (48%)
- Black (8%)





- Cyan (13%)
- Magenta (8%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 56.254, 111.417 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, 56.254, 111.417 by changing the saturation by 10% instead.


 90, 56.254,
111.417


 90, 56.254,
111.417


 100, 56.254,
111.417


 80, 56.254,
111.417

 70, 56.254,
111.417

 60, 56.254,
111.417

 50, 56.254,
111.417

 40, 56.254,
111.417

 30, 56.254,
111.417

 20, 56.254,

111.417

■ 10, 56.254,
111.417

■ 0, 56.254, 111.417

■ 90, 56.254,
111.417

■ 90, 56.254,
111.417

■ 90, 66.729,
110.787

■ 91, 45.029,
112.142

■ 89, 76.027,
110.304

■ 91, 33.340,
112.914

■ 89, 83.601,
110.042


■ 92, 21.382,
113.704

■ 89, 88.895,
110.075


■ 92, 9.280, 114.492


■ 93, 2.883, 295.272


 88, 91.685,
110.443

 94, 10.349,
297.899

 88, 92.158,
110.554

 94, 10.530,
303.378

 94, 10.803,
308.656

 95, 11.163,
313.662

Harmonies

Complementary

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



90, 56.254, 111.417



58, 63.784, 300.386

Rectangle

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



90, 56.254, 111.417



90, 56.254, 161.417



90, 56.254, 291.417



90, 56.254, 341.417

Sweetspot

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



90, 56.255, 111.419



99, 18.144, 113.987



67, 43.276, 32.845



53, 12.518, 113.816



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, 56.255, 111.419



96, 70.543, 110.810



87, 62.489, 130.773



49, 6.887, 114.349



70, 75.750, 110.431



21, 30.846, 110.337

Inverse Universe

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



58, 63.784, 300.386



55, 82.824, 301.870



63, 65.648, 315.137



45, 7.038, 295.868



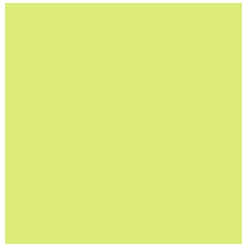
22, 102.712, 306.747



3, 36.023, 300.697

Previews

White Background



This preview shows how the CIELCh color 90, 56.254, 111.417 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, 56.254, 111.417 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, 56.254, 111.417

Background



This preview shows how black text looks on a background with the CIELCh color 90, 56.254, 111.417.

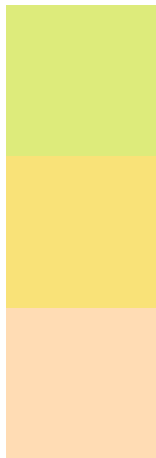


This preview shows how white text looks on a background with the CIELCh color 90, 56.254, 111.417.

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, 56.254, 111.417

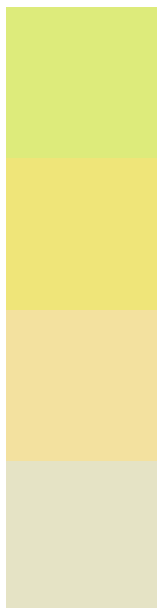
Protanopia
90, 54.381, 95.572

Deuteranopia
90, 24.989, 75.133



Tritanopia
90, 10.322, 314.962

Trichromacy



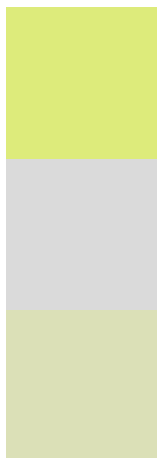
Original Color
90, 56.254, 111.417

Protanomaly
90, 54.448, 101.325

Deuteranomaly
90, 34.714, 95.384

Tritanomaly
90, 15.522, 106.124

Monochromacy



Original Color
90, 56.254, 111.417

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 21.321, 113.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 56.254, 111.417 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(221, 235, 123)` looks like.

```
.text, #text, p{  
    color:rgb(221, 235, 123)  
}
```

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(221, 235, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 235, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 56.254, 111.417 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(221, 235, 123) }
```

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

```
.border{ border-color:rgb(221, 235, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 235, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 235, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 235, 123);  
box-shadow:4px 4px 4px 4px rgb(221, 235,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 56.254, 111.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 235, 123) }
```

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

```
.background{ background-color: rgb(221,  
235, 123) }
```

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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