

Converting Colors

CIELCh(90, 48.373, 113.380)

Have a look what the booklet for
CIELCh(90, 48.373, 113.380)
contains.

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Color

CIELCh(90, 48.343, 113.391)

Conversions

Conversions Part 1

Format	Color
Hex	DCEB8C
RGB	220, 235, 140
RGB Percent	86%, 92%, 55%
CMY	0.1384, 0.0796, 0.4520
CMYK	0.06, 0.00, 0.40, 0.08
HSL	69°, 70%, 73%
HSV	69°, 40%, 92%
XYZ	63.7633, 76.3034, 36.0721
YIQ	219.6850, 21.5550, -32.7250

Conversions

Conversions Part 2

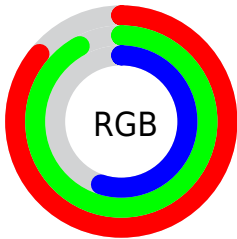
Format	Color
RYB	140, 235, 155
Decimal	14478220
CIELab	90.00, -19.19, 44.37
CIELCh	90, 48.343, 113.391
Yxy	76.3034, 0.3620, 0.4332
Android (android.graphics.Color)	4292668300 (0xFFDCEB8C)
YUV	219.6850, -39.2847, 0.2763
Hunter-Lab	87.3518, -22.5679, 36.6624

Details

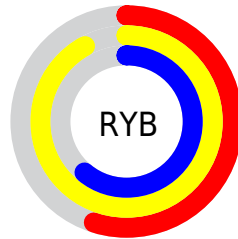
The CIELCh color **90, 48.343, 113.391** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **63, 53.420, 300.355**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 30.226, 107.879**, and **70, 48.106, 113.077** is the 20% darker color. If you saturate the color by 10%, you get **89, 59.424, 112.737**, and if you desaturate by 10%, it is **91, 36.738, 114.111**.

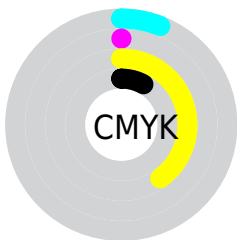
Distribution



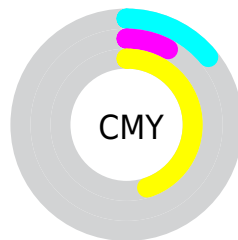
- Red (86%)
- Green (92%)
- Blue (55%)



- Red (55%)
- Yellow (92%)
- Blue (61%)



- Cyan (6%)
- Magenta (0%)
- Yellow (40%)
- Black (8%)





- Cyan (14%)
- Magenta (8%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 48.343, 113.391 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, 48.343, 113.391 by changing the saturation by 10% instead.


 90, 48.343,
113.391


 90, 48.343,
113.391


 100, 48.343,
113.391


 80, 48.343,
113.391

 70, 48.343,
113.391

 60, 48.343,
113.391

 50, 48.343,
113.391

 40, 48.343,
113.391

 30, 48.343,
113.391

 20, 48.343,

113.391

■ 10, 48.343,
113.391

■ 0, 48.343, 113.391

■ 90, 48.343,
113.391

■ 90, 48.343,
113.391

■ 89, 59.424,
112.737

■ 91, 36.738,
114.111

■ 89, 69.653,
112.192

■ 91, 24.818,
114.855

■ 89, 78.573,
111.824

■ 92, 12.728,
115.602

■ 88, 85.618,
111.718

■ 93, 0.560, 116.327

■ 94, 10.556,

■ 88, 90.279,
111.953

297.593

■ 88, 92.601,
112.490

■ 94, 10.791,
304.349

■ 94, 11.168,
310.779

■ 95, 11.675,
316.763

■ 95, 12.299,
322.235

Harmonies

Complementary

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



90, 48.343, 113.391



63, 53.420, 300.355

Rectangle

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



90, 48.343, 113.391



90, 48.343, 163.391



90, 48.343, 293.391



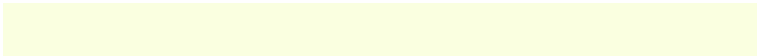
90, 48.343, 343.391

Sweetspot

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



90, 48.345, 113.393



99, 15.601, 115.484



71, 34.842, 34.944



53, 10.345, 115.386



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, 48.345, 113.393



96, 61.840, 112.814



87, 53.897, 132.181



49, 6.905, 115.676



69, 76.201, 112.339



21, 30.977, 112.088

Inverse Universe

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



63, 53.420, 300.355



61, 70.285, 301.520



67, 55.931, 315.890



45, 7.054, 297.104



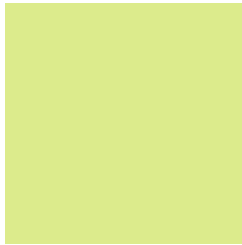
22, 102.393, 306.948



3, 36.115, 301.466

Previews

White Background



This preview shows how the CIELCh color 90, 48.343, 113.391 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, 48.343, 113.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

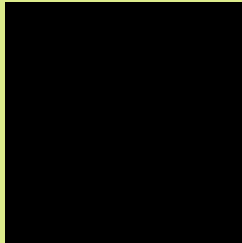
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 48.343, 113.391

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.343, 113.391.

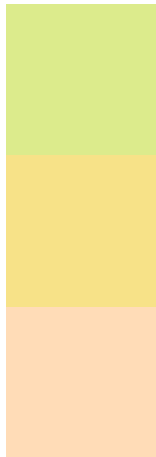


This preview shows how white text looks on a background with the CIELCh color 90, 48.343, 113.391.

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](#).

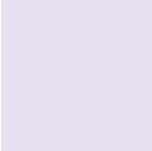
Dichromacy



Original Color
90, 48.343, 113.391

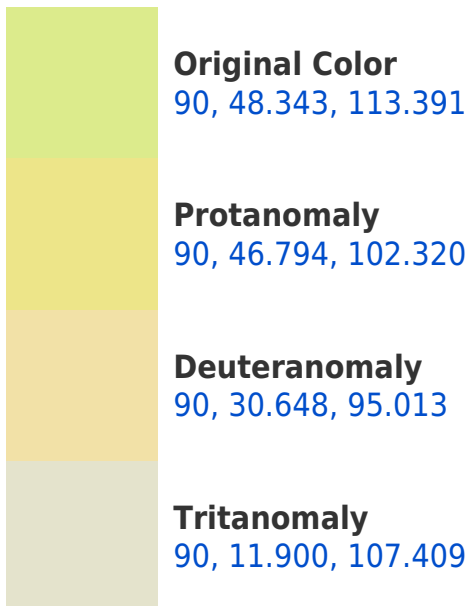
Protanopia
90, 46.670, 95.718

Deuteranopia
90, 23.671, 73.312



Tritanopia
90, 9.434, 310.382

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.343, 113.391 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, 235, 140)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 140)  
}
```

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, 235, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 48.343, 113.391 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, 235, 140) }
```

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

```
.border{ border-color:rgb(220, 235, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 235, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 140);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.343, 113.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 140) }
```

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

```
.background{ background-color: rgb(220,  
235, 140) }
```

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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