

Converting Colors

CIELCh(90, 41.567, 118.269)

Have a look what the booklet for
CIELCh(90, 41.567, 118.269)
contains.

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Color

CIELCh(90, 41.538, 118.277)

Conversions

Conversions Part 1

Format	Color
Hex	D6EB9B
RGB	214, 235, 155
RGB Percent	84%, 92%, 61%
CMY	0.1596, 0.0772, 0.3911
CMYK	0.09, 0.00, 0.34, 0.08
HSL	76°, 67%, 77%
HSV	76°, 34%, 92%
XYZ	63.5513, 76.3034, 42.5120
YIQ	219.6010, 13.1640, -29.3320

Conversions

Conversions Part 2

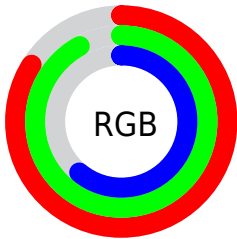
Format	Color
RYB	155, 235, 176
Decimal	14085019
CIELab	90.00, -19.68, 36.58
CIELCh	90, 41.538, 118.277
Yxy	76.3034, 0.3485, 0.4184
Android (android.graphics.Color)	4292275099 (0xFFD6EB9B)
YUV	219.6010, -31.8483, -4.9121
Hunter-Lab	87.3518, -23.0011, 32.2913

Details

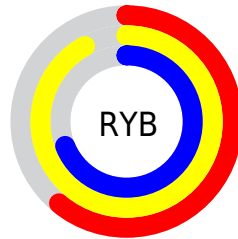
The CIELCh color **90, 41.538, 118.277** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **69, 44.703, 302.962**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **70, 41.318, 118.405** is the 20% darker color. If you saturate the color by 10%, you get **89, 53.215, 117.697**, and if you desaturate by 10%, it is **91, 29.502, 118.899**.

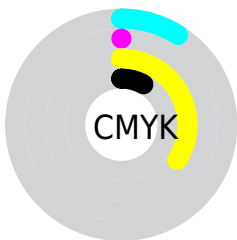
Distribution



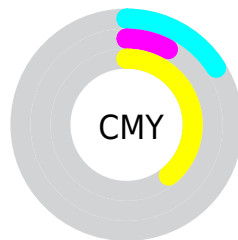
- Red (84%)
- Green (92%)
- Blue (61%)



- Red (61%)
- Yellow (92%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)





- Cyan (16%)
- Magenta (8%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 41.538, 118.277 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, 41.538, 118.277 by changing the saturation by 10% instead.


 90, 41.538,
118.277


 90, 41.538,
118.277


 100, 41.538,
118.277


 80, 41.538,
118.277

 70, 41.538,
118.277

 60, 41.538,
118.277

 50, 41.538,
118.277

 40, 41.538,
118.277

 30, 41.538,
118.277

 20, 41.538,

118.277

■ 10, 41.538,
118.277

■ 0, 41.538, 118.277

■ 90, 41.538,
118.277

■ 90, 41.538,
118.277

■ 89, 53.215,
117.697

■ 91, 29.502,
118.899

■ 89, 64.279,
117.199

■ 92, 17.264,
119.528

■ 88, 74.370,
116.849

■ 93, 4.937, 120.151

■ 87, 82.991,
116.738

■ 94, 7.405, 300.732

■ 94, 10.752,
309.453

■ 87, 89.575,
116.974

■ 95, 11.626,
319.586

■ 87, 93.708,
117.647

■ 95, 12.292,
324.844

■ 86, 95.235,
118.221

Harmonies

Complementary

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



90, 41.538, 118.277



69, 44.703, 302.962

Rectangle

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



90, 41.538, 118.277



90, 41.538, 168.277



90, 41.538, 298.277



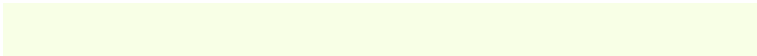
90, 41.538, 348.277

Sweetspot

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



90, 41.540, 118.279



99, 13.160, 119.776



77, 26.930, 44.319



53, 8.978, 119.688



0, 0.000, 0.000



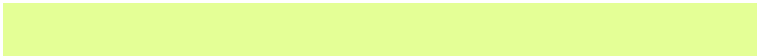
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 41.540, 118.279



96, 53.095, 117.856



88, 46.950, 135.547



49, 6.987, 119.812



68, 78.162, 117.997



20, 31.589, 117.363

Inverse Universe

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



69, 44.703, 302.962



68, 58.222, 303.649



72, 47.907, 318.769



45, 7.126, 300.987



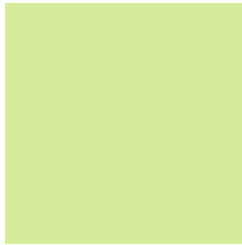
24, 101.013, 307.884



3, 36.480, 304.079

Previews

White Background



This preview shows how the CIELCh color 90, 41.538, 118.277 looks on a white background.

Color Contrast Check

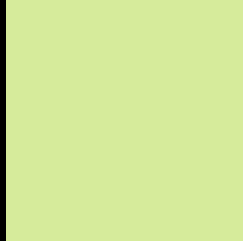
Large Text (above 18pt) WCAG AA × Fail

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, 41.538, 118.277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

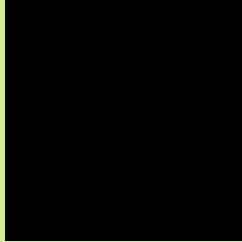
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 41.538, 118.277

Background



This preview shows how black text looks on a background with the CIELCh color 90, 41.538, 118.277.

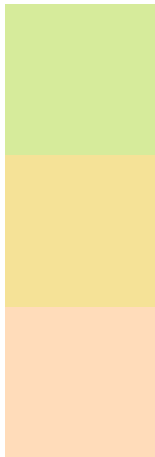


This preview shows how white text looks on a background with the CIELCh color 90, 41.538, 118.277.

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](#).

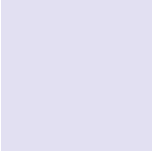
Dichromacy



Original Color
90, 41.538, 118.277

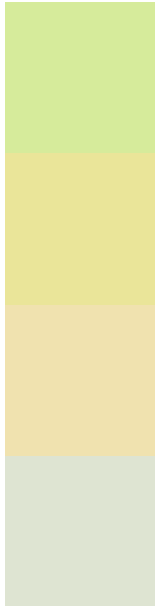
Protanopia
90, 39.213, 95.701

Deuteranopia
90, 22.382, 71.263



Tritanopia
90, 9.407, 295.166

Trichromacy



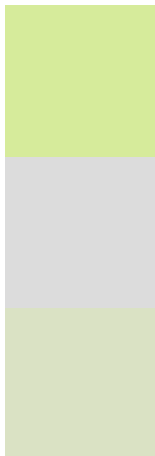
Original Color
90, 41.538, 118.277

Protanomaly
90, 38.874, 104.019

Deuteranomaly
90, 26.864, 96.243

Tritanomaly
90, 9.591, 122.629

Monochromacy



Original Color
90, 41.538, 118.277

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 15.845, 119.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 41.538, 118.277 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(214, 235, 155)` looks like.

```
.text, #text, p{  
    color:rgb(214, 235, 155)  
}
```

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(214, 235, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 235, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 41.538, 118.277 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(214, 235, 155) }
```

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

```
.border{ border-color:rgb(214, 235, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 235, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 235, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 235, 155);  
box-shadow:4px 4px 4px 4px rgb(214, 235,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 41.538, 118.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 235, 155) }
```

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

```
.background{ background-color: rgb(214,  
235, 155) }
```

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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