

Converting Colors

CIELCh(90, 47.780, 108.120)

Have a look what the booklet for
CIELCh(90, 47.780, 108.120)
contains.

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Color

CIELCh(90, 47.574, 108.213)

Conversions

Conversions Part 1

Format	Color
Hex	E4E88A
RGB	228, 232, 138
RGB Percent	89%, 91%, 54%
CMY	0.1045, 0.0888, 0.4575
CMYK	0.02, 0.00, 0.40, 0.09
HSL	63°, 67%, 73%
HSV	63°, 40%, 91%
XYZ	65.6713, 76.3034, 35.4342
YIQ	220.0880, 27.7900, -30.0820

Conversions

Conversions Part 2

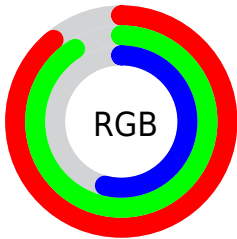
Format	Color
R_{YB}	138, 232, 142
Decimal	15001738
CIE _{Lab}	90.00, -14.87, 45.19
CIE _{LCh}	90, 47.574, 108.213
Yxy	76.3034, 0.3702, 0.4301
Android (android.graphics.Color)	4293191818 (0xFFE4E88A)
YUV	220.0880, -40.4694, 6.9388
Hunter-Lab	87.3518, -18.6689, 37.0953

Details

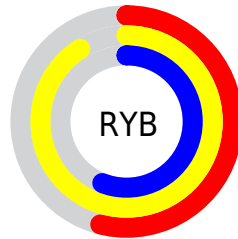
The CIELCh color $90, 47.574, 108.213$ is a light color, and the websafe version is hex `FFFF99`. A complement of this color would be $62, 52.861, 296.906$, and the grayscale version is $88, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 31.221, 107.803$, and $70, 47.300, 108.021$ is the 20% darker color. If you saturate the color by 10%, you get $90, 58.455, 107.389$, and if you desaturate by 10%, it is $90, 36.164, 109.096$.

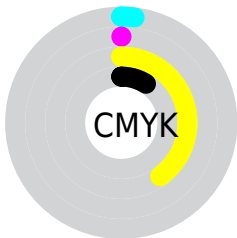
Distribution



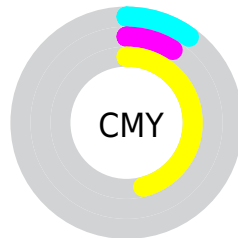
- Red (89%)
- Green (91%)
- Blue (54%)



- Red (54%)
- Yellow (91%)
- Blue (56%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (9%)





- Cyan (10%)
- Magenta (9%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 47.574, 108.213 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, 47.574, 108.213 by changing the saturation by 10% instead.


 90, 47.574,
108.213


 90, 47.574,
108.213


 100, 47.574,
108.213


 80, 47.574,
108.213

 70, 47.574,
108.213

 60, 47.574,
108.213

 50, 47.574,
108.213

 40, 47.574,
108.213

 30, 47.574,
108.213

 20, 47.574,

108.213

■ 10, 47.574,
108.213

■ 0, 47.574, 108.213

■ 90, 47.574,
108.213

■ 90, 47.574,
108.213

■ 90, 58.455,
107.389

■ 90, 36.164,
109.096

■ 89, 68.475,
106.653

■ 91, 24.437,
110.000

■ 89, 77.172,
106.054

■ 91, 12.535,
110.908

■ 89, 83.977,
105.646

■ 92, 0.550, 111.713

■ 93, 11.460,

■ 89, 88.384,
105.473

292.691

■ 89, 90.461,
105.517

■ 93, 11.737,
294.321

■ 93, 11.765,
295.964

■ 93, 11.803,
297.601

■ 93, 11.850,
299.229

Harmonies

Complementary

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



90, 47.574, 108.213



62, 52.861, 296.906

Rectangle

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



90, 47.574, 108.213



90, 47.574, 158.213



90, 47.574, 288.213



90, 47.574, 338.213

Sweetspot

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



90, 47.576, 108.216



99, 15.493, 110.764



68, 37.871, 25.715



53, 10.273, 110.645



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, 47.576, 108.216



97, 61.336, 107.486



87, 51.703, 128.336



49, 6.858, 110.998



71, 75.046, 105.475



21, 30.663, 105.832

Inverse Universe

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



62, 52.861, 296.906



60, 70.280, 298.454



66, 54.567, 312.175



45, 7.012, 292.766



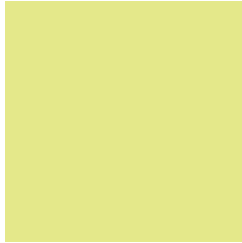
22, 103.257, 306.416



3, 35.822, 298.758

Previews

White Background



This preview shows how the CIELCh color 90, 47.574, 108.213 looks on a white background.

Color Contrast Check

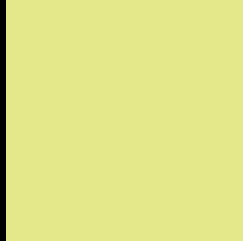
Large Text (above 18pt) WCAG AA × Fail

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 90, 47.574, 108.213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

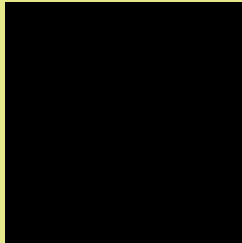
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 47.574, 108.213

Background



This preview shows how black text looks on a background with the CIELCh color 90, 47.574, 108.213.

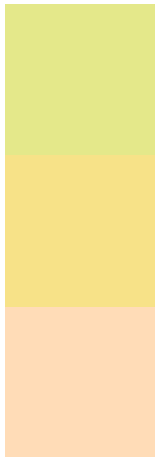


This preview shows how white text looks on a background with the CIELCh color 90, 47.574, 108.213.

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, 47.574, 108.213

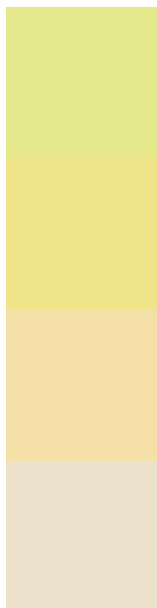
Protanopia
90, 46.670, 95.718

Deuteranopia
90, 23.671, 73.312



Tritanopia
90, 11.159, 327.864

Trichromacy



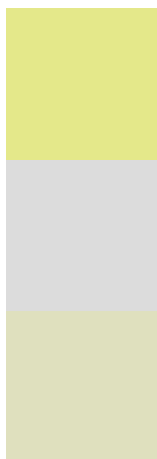
Original Color
90, 47.574, 108.213

Protanomaly
90, 46.499, 100.295

Deuteranomaly
90, 30.589, 91.932

Tritanomaly
90, 12.589, 90.076

Monochromacy



Original Color
90, 47.574, 108.213

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 17.621, 109.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 47.574, 108.213 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(228, 232, 138)` looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 138)  
}
```

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(228, 232, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 47.574, 108.213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

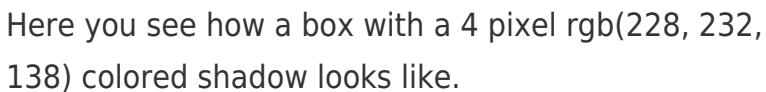
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 232, 138) }
```

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

```
.border{ border-color:rgb(228, 232, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 232, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 232, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 232, 138); box-shadow:4px 4px 4px 4px rgb(228, 232, 138) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 47.574, 108.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 138) }
```

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

```
.background{ background-color: rgb(228,  
232, 138) }
```

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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