

Converting Colors

CIELCh(90, 56.510, 132.676)

Have a look what the booklet for
CIELCh(90, 56.510, 132.676)
contains.

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Color

CIELCh(90, 56.470, 132.459)

Conversions

Conversions Part 1

Format	Color
Hex	B2F490
RGB	178, 244, 144
RGB Percent	70%, 96%, 56%
CMY	0.3013, 0.0425, 0.4347
CMYK	0.27, 0.00, 0.41, 0.04
HSL	100°, 82%, 76%
HSV	100°, 41%, 96%
XYZ	55.8436, 76.3034, 38.2319
YIQ	212.8660, -7.2360, -45.0920

Conversions

Conversions Part 2

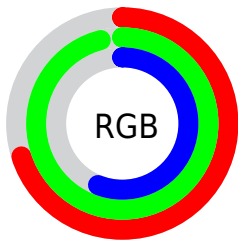
Format	Color
RYB	144, 244, 210
Decimal	11728016
CIELab	90.00, -38.12, 41.66
CIELCh	90, 56.470, 132.459
Yxy	76.3034, 0.3278, 0.4478
Android (android.graphics.Color)	4289918096 (0xFFB2F490)
YUV	212.8660, -33.9509, -30.5775
Hunter-Lab	87.3518, -38.7515, 35.1964

Details

The CIELCh color **90, 56.470, 132.459** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **70, 58.549, 316.230**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 29.298, 122.754**, and **70, 56.094, 132.403** is the 20% darker color. If you saturate the color by 10%, you get **89, 69.506, 131.947**, and if you desaturate by 10%, it is **91, 42.910, 132.993**.

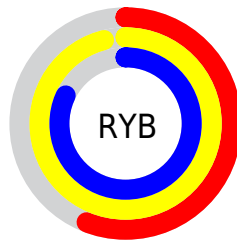
Distribution



Red (70%)

Green (96%)

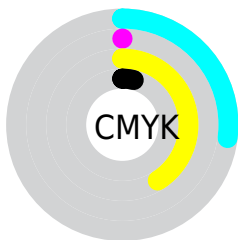
Blue (56%)



Red (56%)

Yellow (96%)

Blue (82%)

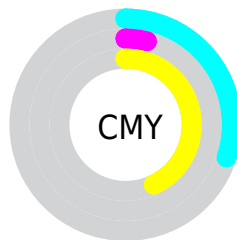


Cyan (27%)

Magenta (0%)

Yellow (41%)

Black (4%)



Cyan (30%)


Magenta (4%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 56.470, 132.459 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, 56.470, 132.459 by changing the saturation by 10% instead.


 90, 56.470,
132.459


 90, 56.470,
132.459


 100, 56.470,
132.459


 80, 56.470,
132.459

 70, 56.470,
132.459

 60, 56.470,
132.459


 50, 56.470,
132.459

 40, 56.470,
132.459


 30, 56.470,
132.459


 20, 56.470,


132.459


 10, 56.470,
132.459


 0, 56.470, 132.459


 90, 56.470,
132.459


 90, 56.470,
132.459


 89, 69.506,
131.947


 91, 42.910,
132.993

 88, 81.647,
131.516

 93, 29.082,
133.511

 87, 92.398,
131.268

 94, 15.173,
133.995

 86, 101.161,
131.330

 96, 1.314, 134.564

 97, 6.745, 324.631

■ 86, 107.393,
131.823

■ 85, 110.910,
132.601

Harmonies

Complementary

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



90, 56.470, 132.459



70, 58.549, 316.230

Rectangle

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



90, 56.470, 132.459



90, 56.470, 182.459



90, 56.470, 312.459



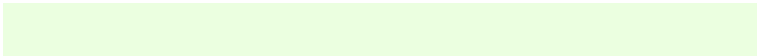
90, 56.470, 2.459

Sweetspot

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



90, 56.472, 132.460



98, 17.213, 133.945



85, 36.944, 84.328



52, 11.422, 133.883



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, 56.472, 132.460



93, 69.397, 132.037



89, 56.507, 145.483



50, 7.879, 134.064



67, 90.229, 132.370



21, 38.199, 131.496

Inverse Universe

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



70, 58.549, 316.230



67, 72.439, 316.550



73, 56.495, 331.388



48, 7.952, 314.836



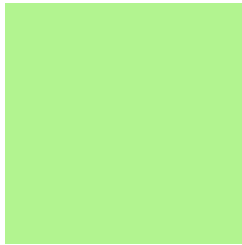
33, 95.257, 316.126



7, 41.635, 317.330

Previews

White Background



This preview shows how the CIELCh color 90, 56.470, 132.459 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, 56.470, 132.459 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, 56.470, 132.459

Background



This preview shows how black text looks on a background with the CIELCh color 90, 56.470, 132.459.

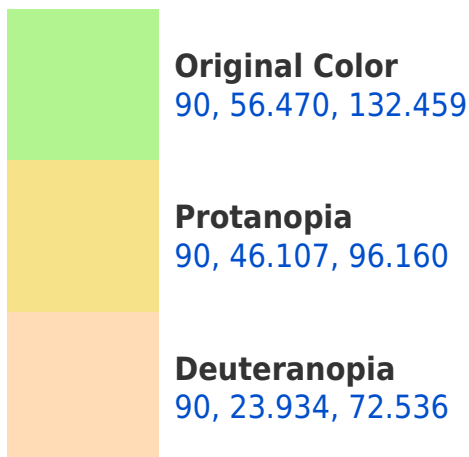


This preview shows how white text looks on a background with the CIELCh color 90, 56.470, 132.459.

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



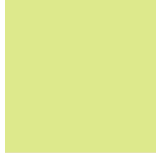


Tritanopia
90, 15.115, 237.218

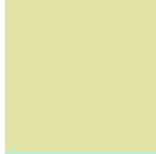
Trichromacy



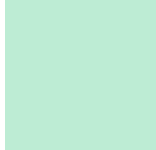
Original Color
90, 56.470, 132.459



Protanomaly
90, 47.300, 112.152



Deuteranomaly
89, 30.831, 108.349

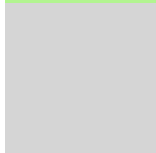


Tritanomaly
90, 20.870, 161.349

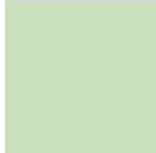
Monochromacy



Original Color
90, 56.470, 132.459



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 20.816, 133.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 56.470, 132.459 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(178, 244, 144)` looks like.

```
.text, #text, p{  
    color:rgb(178, 244, 144)  
}
```

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(178, 244, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 244, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 56.470, 132.459 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(178, 244, 144) }
```

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

```
.border{ border-color:rgb(178, 244, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 244, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 244, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 244, 144);  
box-shadow:4px 4px 4px 4px rgb(178, 244,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 56.470, 132.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 244, 144) }
```

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

```
.background{ background-color: rgb(178,  
244, 144) }
```

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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