

Converting Colors

CIELCh(78, 44.696, 144.976)

Have a look what the booklet for
CIELCh(78, 44.696, 144.976)
contains.

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Color

CIELCh(78, 44.733, 145.155)

Conversions

Conversions Part 1

Format	Color
Hex	87D290
RGB	135, 210, 144
RGB Percent	53%, 82%, 56%
CMY	0.4709, 0.1768, 0.4356
CMYK	0.36, 0.00, 0.31, 0.18
HSL	127°, 45%, 68%
HSV	127°, 36%, 82%
XYZ	38.0364, 53.2120, 34.6232
YIQ	180.0510, -23.5140, -36.4260

Conversions

Conversions Part 2

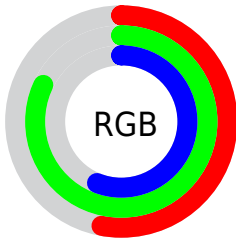
Format	Color
RYB	135, 202, 210
Decimal	8901264
CIELab	78.00, -36.71, 25.56
CIELCh	78, 44.733, 145.155
Yxy	53.2120, 0.3022, 0.4227
Android (android.graphics.Color)	4287091344 (0xFF87D290)
YUV	180.0510, -17.7731, -39.5097
Hunter-Lab	72.9466, -34.5815, 22.9213

Details

The CIELCh color **78, 44.733, 145.155** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **66, 44.754, 330.009**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 37.201, 145.790**, and **58, 44.838, 145.249** is the 20% darker color. If you saturate the color by 10%, you get **77, 56.726, 144.087**, and if you desaturate by 10%, it is **79, 32.319, 146.082**.

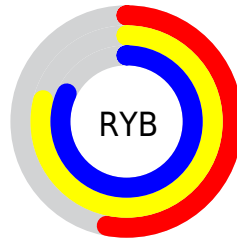
Distribution



Red (53%)

Green (82%)

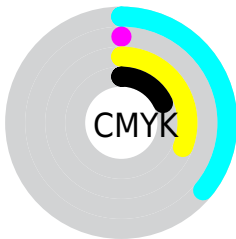
Blue (56%)



Red (53%)

Yellow (79%)

Blue (82%)

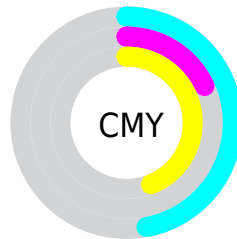


Cyan (36%)

Magenta (0%)

Yellow (31%)

Black (18%)



Cyan (47%)


Magenta (18%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 44.733, 145.155 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 78, 44.733, 145.155 by changing the saturation by 10% instead.


 78, 44.733,
145.155

 78, 44.733,
145.155


 100, 44.733,
145.155

 68, 44.733,
145.155


 98, 44.733,
145.155

 58, 44.733,
145.155

 48, 44.733,
145.155

 38, 44.733,
145.155

 28, 44.733,
145.155

 18, 44.733,
145.155

 8, 44.733, 145.155

■ 0, 44.733, 145.155

■ 78, 44.733,
145.155

■ 78, 44.733,
145.155

■ 77, 56.726,
144.087

■ 79, 32.319,
146.082

■ 76, 68.003,
142.876

■ 81, 19.722,
146.881

■ 75, 78.238,
141.539

■ 83, 7.136, 147.586

■ 74, 87.082,
140.127

■ 85, 5.294, 328.069

■ 74, 94.187,
138.730

■ 87, 17.466,
328.606

■ 74, 99.260,
137.476

■ 89, 28.156,
325.546

■ 89, 28.253,

■ 74, 100.834,
137.066

325.408

Harmonies

Complementary

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



78, 44.733, 145.155



66, 44.754, 330.009

Rectangle

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



78, 44.733, 145.155



78, 44.733, 195.155



78, 44.733, 325.155



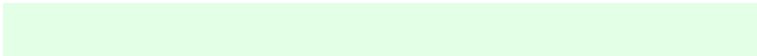
78, 44.733, 15.155

Sweetspot

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



78, 44.734, 145.155



97, 16.116, 147.213



82, 39.039, 111.939



52, 10.837, 147.116



0, 0.000, 0.000



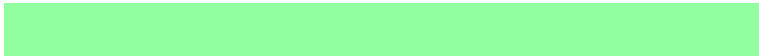
53, 0.007, 296.813

Same Dimension

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



78, 44.734, 145.155



92, 62.630, 144.340



79, 30.411, 166.845



43, 7.068, 147.332



60, 85.156, 137.252



13, 28.741, 144.080

Inverse Universe

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



66, 44.754, 330.009



75, 62.497, 330.476



65, 32.808, 354.372



41, 7.084, 328.412



39, 77.108, 333.628



5, 28.373, 332.136

Previews

White Background



This preview shows how the CIELCh color 78, 44.733, 145.155 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 78, 44.733, 145.155 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 78, 44.733, 145.155

Background



This preview shows how black text looks on a background with the CIELCh color 78, 44.733, 145.155.

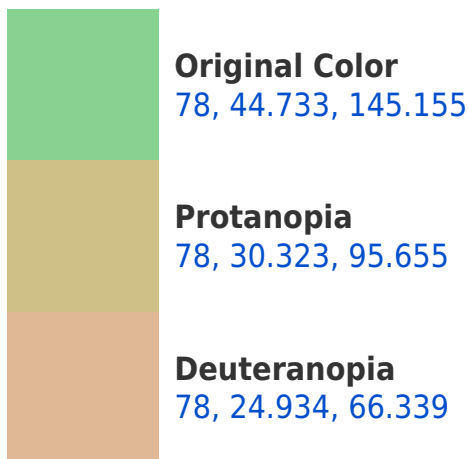


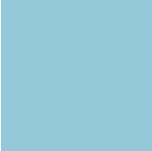
This preview shows how white text looks on a background with the CIELCh color 78, 44.733, 145.155.

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
78, 18.722, 225.753

Trichromacy



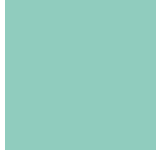
Original Color
78, 44.733, 145.155



Protanomaly
78, 32.437, 120.059



Deuteranomaly
77, 23.902, 108.894

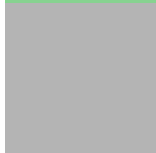


Tritanomaly
78, 22.212, 177.942

Monochromacy



Original Color
78, 44.733, 145.155



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 16.508, 146.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 44.733, 145.155 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(135, 210, 144)` looks like.

```
.text, #text, p{  
    color:rgb(135, 210, 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(135, 210, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 210, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 44.733, 145.155 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(135, 210, 144) }
```

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

```
.border{ border-color:rgb(135, 210, 144) }
```

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

Here you see how a box with a 4 pixel rgb(135, 210, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 210, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 210, 144);  
box-shadow:4px 4px 4px 4px rgb(135, 210,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 44.733, 145.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 210, 144) }
```

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

```
.background{ background-color: rgb(135,  
210, 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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