

Converting Colors

CIELCh(79, 42.853, 158.193)

Have a look what the booklet for
CIELCh(79, 42.853, 158.193)
contains.

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Color

CIELCh(79, 42.987, 158.249)

Conversions

Conversions Part 1

Format	Color
Hex	76D7A5
RGB	118, 215, 165
RGB Percent	46%, 84%, 65%
CMY	0.5388, 0.1584, 0.3544
CMYK	0.45, 0.00, 0.23, 0.16
HSL	149°, 55%, 65%
HSV	149°, 45%, 84%
XYZ	38.3769, 54.9284, 43.9998
YIQ	180.2970, -41.7620, -36.1140

Conversions

Conversions Part 2

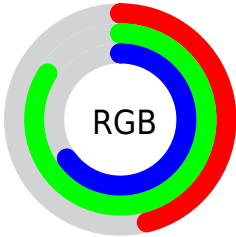
Format	Color
RYB	118, 183, 215
Decimal	7788453
CIELab	79.00, -39.93, 15.93
CIELCh	79, 42.987, 158.249
Yxy	54.9284, 0.2795, 0.4000
Android (android.graphics.Color)	4285978533 (0xFF76D7A5)
YUV	180.2970, -7.5414, -54.6345
Hunter-Lab	74.1137, -37.2696, 16.6803

Details

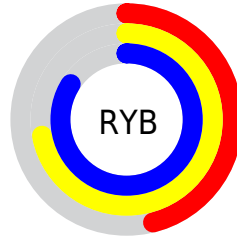
The CIELCh color **79, 42.987, 158.249** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 45.053, 347.418**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.068, 164.353**, and **59, 43.266, 158.097** is the 20% darker color. If you saturate the color by 10%, you get **78, 51.504, 156.841**, and if you desaturate by 10%, it is **80, 33.923, 159.489**.

Distribution



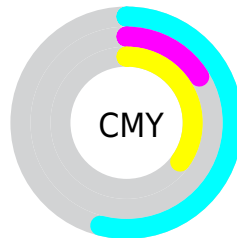
- Red (46%)
- Green (84%)
- Blue (65%)



- Red (46%)
- Yellow (72%)
- Blue (84%)



- Cyan (45%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)




- Cyan (54%)
- Magenta (16%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 42.987, 158.249 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 79, 42.987, 158.249 by changing the saturation by 10% instead.


 79, 42.987,
158.249

 79, 42.987,
158.249

 100, 42.987,
158.249


 69, 42.987,
158.249


 99, 42.987,
158.249

 59, 42.987,
158.249

 49, 42.987,
158.249

 39, 42.987,
158.249

 29, 42.987,
158.249

 19, 42.987,
158.249

 9, 42.987, 158.249

0, 42.987, 158.249

79, 42.987,
158.249

79, 42.987,
158.249

78, 51.504,
156.841

80, 33.923,
159.489

77, 59.313,
155.243

82, 24.477,
160.588

77, 66.287,
153.436

83, 14.809,
161.572

76, 72.360,
151.417

85, 5.055, 162.500

76, 77.543,
149.208

87, 4.669, 343.114

89, 14.278,
343.894

76, 79.820,
148.143

90, 20.238,

336.259

■ 90, 24.510,
326.609

■ 90, 25.304,
325.306

Harmonies

Complementary

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



79, 42.987, 158.249



62, 45.053, 347.418

Rectangle

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



79, 42.987, 158.249



79, 42.987, 208.249



79, 42.987, 338.249



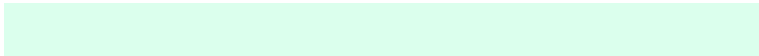
79, 42.987, 28.249

Sweetspot

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



79, 42.988, 158.248



97, 15.693, 161.671



81, 53.192, 126.359



51, 10.832, 161.467



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 42.988, 158.248



91, 58.040, 156.940



80, 30.055, 195.649



44, 5.521, 162.105



61, 66.800, 148.533



14, 23.684, 153.613

Inverse Universe

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



62, 45.053, 347.418



68, 60.987, 348.783



60, 41.207, 22.996



42, 5.587, 343.568



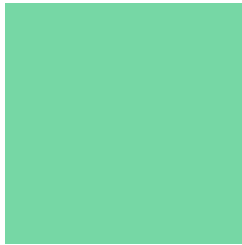
37, 62.989, 0.294



5, 23.689, 353.231

Previews

White Background



This preview shows how the CIELCh color 79, 42.987, 158.249 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 79, 42.987, 158.249 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 79, 42.987, 158.249

Background



This preview shows how black text looks on a background with the CIELCh color 79, 42.987, 158.249.

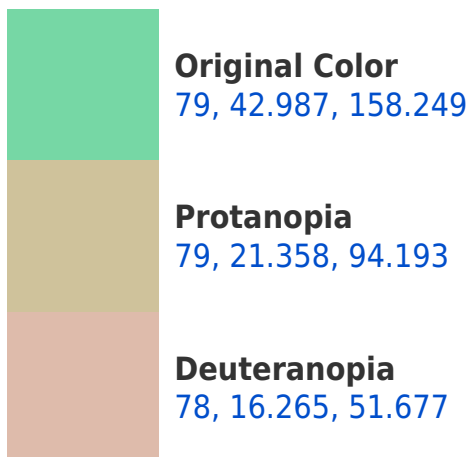


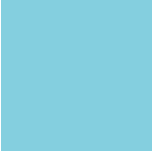
This preview shows how white text looks on a background with the CIELCh color 79, 42.987, 158.249.

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



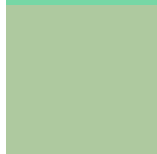


Tritanopia
79, 24.506, 218.473

Trichromacy



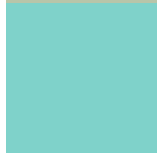
Original Color
79, 42.987, 158.249



Protanomaly
78, 24.634, 132.975



Deuteranomaly
78, 15.741, 127.165



Tritanomaly
79, 27.407, 188.392

Monochromacy



Original Color
79, 42.987, 158.249



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 16.824, 160.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 42.987, 158.249 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(118, 215, 165)` looks like.

```
.text, #text, p{  
    color:rgb(118, 215, 165)  
}
```

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(118, 215, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 215, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 42.987, 158.249 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(118, 215, 165) }
```

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

```
.border{ border-color:rgb(118, 215, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 215, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 215, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 215, 165);  
box-shadow:4px 4px 4px 4px rgb(118, 215,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 42.987, 158.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 215, 165) }
```

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

```
.background{ background-color: rgb(118,  
215, 165) }
```

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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