

Converting Colors

CIELCh(79, 42.936, 162.861)

Have a look what the booklet for
CIELCh(79, 42.936, 162.861)
contains.

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Color

CIELCh(79, 42.774, 163.153)

Conversions

Conversions Part 1

Format	Color
Hex	6DD7AB
RGB	109, 215, 171
RGB Percent	43%, 84%, 67%
CMY	0.5717, 0.1560, 0.3286
CMYK	0.49, 0.00, 0.20, 0.16
HSL	155°, 57%, 64%
HSV	155°, 49%, 84%
XYZ	38.0626, 54.9284, 47.2299
YIQ	178.2900, -49.0520, -36.1560

Conversions

Conversions Part 2

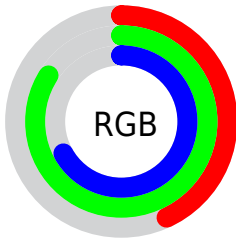
Format	Color
RYB	109, 176, 215
Decimal	7198635
CIELab	79.00, -40.94, 12.40
CIElCh	79, 42.774, 163.153
Yxy	54.9284, 0.2714, 0.3917
Android (android.graphics.Color)	4285388715 (0xFF6DD7AB)
YUV	178.2900, -3.5940, -60.7673
Hunter-Lab	74.1137, -38.0267, 14.0962

Details

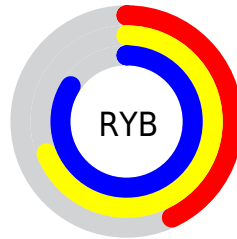
The CIELCh color **79, 42.774, 163.153** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **60, 46.660, 354.386**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.301, 170.621**, and **59, 42.895, 163.066** is the 20% darker color. If you saturate the color by 10%, you get **78, 50.138, 161.664**, and if you desaturate by 10%, it is **80, 34.771, 164.475**.

Distribution



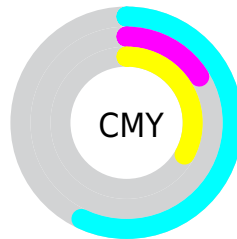
- Red (43%)
- Green (84%)
- Blue (67%)



- Red (43%)
- Yellow (69%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)





- Cyan (57%)
- Magenta (16%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 42.774, 163.153 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, 42.774, 163.153 by changing the saturation by 10% instead.


 79, 42.774,
163.153

 79, 42.774,
163.153


 100, 42.774,
163.153


 69, 42.774,
163.153


 99, 42.774,
163.153

 59, 42.774,
163.153

 49, 42.774,
163.153

 39, 42.774,
163.153

 29, 42.774,
163.153

 19, 42.774,
163.153

 9, 42.774, 163.153

0, 42.774, 163.153

79, 42.774,
163.153

79, 42.774,
163.153

78, 50.138,
161.664

80, 34.771,
164.475

77, 56.732,
159.986

81, 26.276,
165.659

77, 62.472,
158.100

83, 17.444,
166.730

76, 67.344,
156.001

84, 8.415, 167.722

76, 71.478,
153.745

86, 0.690, 347.880

76, 71.778,
153.581

88, 9.772, 349.316

90, 17.256,
346.886

90, 20.093,
335.739

90, 23.524,
327.693

Harmonies

Complementary

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



79, 42.774, 163.153



60, 46.660, 354.386

Rectangle

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



79, 42.774, 163.153



79, 42.774, 213.153



79, 42.774, 343.153



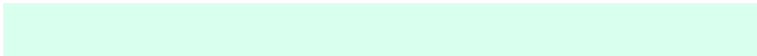
79, 42.774, 33.153

Sweetspot

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



79, 42.775, 163.152



97, 15.632, 167.143



80, 59.448, 129.637



51, 10.654, 166.930



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, 42.775, 163.152



91, 57.237, 161.614



78, 29.382, 206.759



44, 5.143, 167.705



62, 59.977, 153.979



15, 21.503, 159.002

Inverse Universe

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



60, 46.660, 354.386



65, 63.054, 356.393



60, 42.894, 30.530



42, 5.236, 349.281



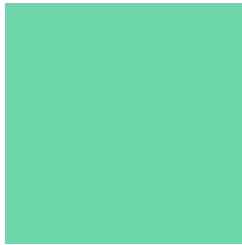
36, 62.654, 9.865



5, 22.827, 359.741

Previews

White Background



This preview shows how the CIELCh color 79, 42.774, 163.153 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, 42.774, 163.153 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, 42.774, 163.153

Background



This preview shows how black text looks on a background with the CIELCh color 79, 42.774, 163.153.

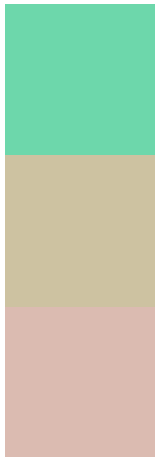


This preview shows how white text looks on a background with the CIELCh color 79, 42.774, 163.153.

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
79, 42.774, 163.153

Protanopia
79, 18.071, 94.650

Deuteranopia
78, 13.545, 43.306



Tritanopia
79, 26.723, 217.794

Trichromacy



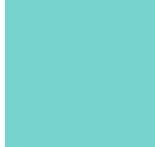
Original Color
79, 42.774, 163.153



Protanomaly
78, 23.178, 139.758



Deuteranomaly
78, 13.605, 138.839



Tritanomaly
79, 29.396, 190.992

Monochromacy



Original Color
79, 42.774, 163.153



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 16.410, 166.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 42.774, 163.153 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(109, 215, 171)` looks like.

```
.text, #text, p{  
    color:rgb(109, 215, 171)  
}
```

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(109, 215, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 215, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 42.774, 163.153 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(109, 215, 171) }
```

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

```
.border{ border-color:rgb(109, 215, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 215, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 215, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 215, 171);  
box-shadow:4px 4px 4px 4px rgb(109, 215,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 42.774, 163.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 215, 171) }
```

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

```
.background{ background-color: rgb(109,  
215, 171) }
```

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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