

Converting Colors

CIELCh(79, 35.798, 170.076)

Have a look what the booklet for
CIELCh(79, 35.798, 170.076)
contains.

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Color

CIELCh(79, 35.728, 170.152)

Conversions

Conversions Part 1

Format	Color
Hex	76D5B7
RGB	118, 213, 183
RGB Percent	46%, 84%, 72%
CMY	0.5368, 0.1642, 0.2819
CMYK	0.45, 0.00, 0.14, 0.16
HSL	161°, 53%, 65%
HSV	161°, 45%, 84%
XYZ	39.8678, 54.9284, 53.3604
YIQ	181.1750, -46.9900, -29.4700

Conversions

Conversions Part 2

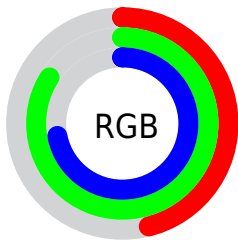
Format	Color
RYB	118, 174, 213
Decimal	7787959
CIELab	79.00, -35.20, 6.11
CIELCh	79, 35.728, 170.152
Yxy	54.9284, 0.2691, 0.3707
Android (android.graphics.Color)	4285978039 (0xFF76D5B7)
YUV	181.1750, 0.8997, -55.4045
Hunter-Lab	74.1137, -33.6788, 9.1919

Details

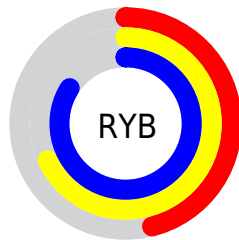
The CIELCh color **79, 35.728, 170.152** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 40.512, 0.479**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.661, 180.290**, and **59, 35.857, 169.935** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.493, 168.788**, and if you desaturate by 10%, it is **80, 28.346, 171.381**.

Distribution



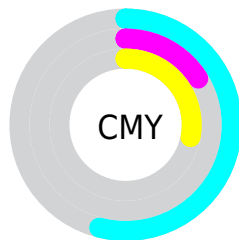
- Red (46%)
- Green (84%)
- Blue (72%)



- Red (46%)
- Yellow (68%)
- Blue (84%)



- Cyan (45%)
- Magenta (0%)
- Yellow (14%)
- Black (16%)





- Cyan (54%)
- Magenta (16%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 35.728, 170.152 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, 35.728, 170.152 by changing the saturation by 10% instead.


 79, 35.728,
170.152


 79, 35.728,
170.152


 100, 35.728,
170.152


 69, 35.728,
170.152


 99, 35.728,
170.152

 59, 35.728,
170.152

 49, 35.728,
170.152

 39, 35.728,
170.152

 29, 35.728,
170.152

 19, 35.728,
170.152

 9, 35.728, 170.152

■ 0, 35.728, 170.152

■ 79, 35.728,
170.152

■ 79, 35.728,
170.152

■ 78, 42.493,
168.788

■ 80, 28.346,
171.381

■ 77, 48.511,
167.269

■ 81, 20.485,
172.504

■ 77, 53.693,
165.568

■ 83, 12.287,
173.546

■ 76, 58.006,
163.667

■ 85, 3.881, 174.583

■ 76, 61.495,
161.565

■ 86, 4.623, 355.236

■ 88, 13.135,
356.141

■ 76, 63.167,
160.392

■ 89, 17.566,

350.423

■ 89, 19.457,
341.410

■ 90, 21.760,
334.202

Harmonies

Complementary

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



79, 35.728, 170.152



61, 40.512, 0.479

Rectangle

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



79, 35.728, 170.152



79, 35.728, 220.152



79, 35.728, 350.152



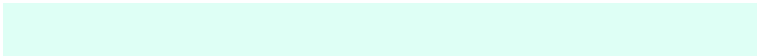
79, 35.728, 40.152

Sweetspot

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



79, 35.729, 170.151



97, 12.690, 173.692



79, 55.264, 132.993



52, 8.863, 173.466



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, 35.729, 170.151



92, 47.889, 168.936



75, 25.267, 219.858



44, 4.822, 174.066



62, 53.255, 160.759



15, 19.422, 165.478

Inverse Universe

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



61, 40.512, 0.479



67, 55.583, 2.277



64, 35.259, 38.107



42, 4.948, 355.704



36, 64.375, 19.306



5, 22.331, 5.414

Previews

White Background



This preview shows how the CIELCh color 79, 35.728, 170.152 looks on a white background.

Color Contrast Check

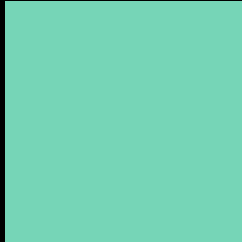
Large Text (above 18pt) WCAG AA × Fail

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, 35.728, 170.152 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

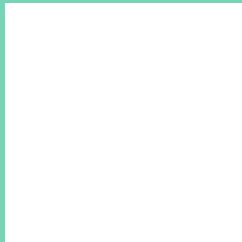
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 35.728, 170.152

Background



This preview shows how black text looks on a background with the CIELCh color 79, 35.728, 170.152.

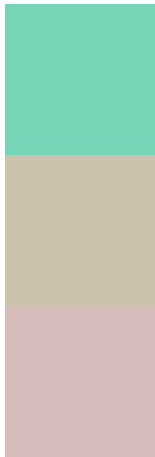


This preview shows how white text looks on a background with the CIELCh color 79, 35.728, 170.152.

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, 35.728, 170.152

Protanopia

79, 11.695, 91.869

Deuteranopia

78, 10.224, 20.181



Tritanopia
79, 25.330, 219.047

Trichromacy



Original Color
79, 35.728, 170.152



Protanomaly
78, 16.813, 148.648



Deuteranomaly
78, 8.639, 155.920

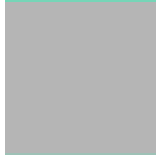


Tritanomaly
79, 26.671, 197.510

Monochromacy



Original Color
79, 35.728, 170.152



Achromatopsia
74, 0.009, 296.813



Achromatomaly
75, 14.041, 173.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 35.728, 170.152 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, 213, 183)` looks like.

```
.text, #text, p{  
    color:rgb(118, 213, 183)  
}
```

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, 213, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 213, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 35.728, 170.152 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, 213, 183) }
```

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

```
.border{ border-color:rgb(118, 213, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 213, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 213, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 213, 183);  
box-shadow:4px 4px 4px 4px rgb(118, 213,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 35.728, 170.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 213, 183) }
```

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

```
.background{ background-color: rgb(118,  
213, 183) }
```

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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