

Converting Colors

CIELCh(79, 45.709, 169.124)

Have a look what the booklet for
CIELCh(79, 45.709, 169.124)
contains.

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Color

CIELCh(79, 45.796, 169.123)

Conversions

Conversions Part 1

Format	Color
Hex	57D9B2
RGB	87, 217, 178
RGB Percent	34%, 85%, 70%
CMY	0.6584, 0.1486, 0.3016
CMYK	0.60, 0.00, 0.18, 0.15
HSL	162°, 63%, 60%
HSV	162°, 60%, 85%
XYZ	36.8260, 54.9284, 50.8319
YIQ	173.6840, -64.9610, -39.6890

Conversions

Conversions Part 2

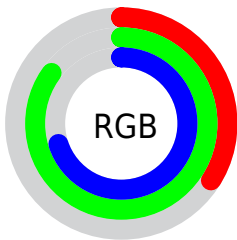
Format	Color
RYB	87, 163, 217
Decimal	5757362
CIELab	79.00, -44.97, 8.64
CIELCh	79, 45.796, 169.123
Yxy	54.9284, 0.2583, 0.3852
Android (android.graphics.Color)	4283947442 (0xFF57D9B2)
YUV	173.6840, 2.1278, -76.0219
Hunter-Lab	74.1137, -41.0048, 11.2147

Details

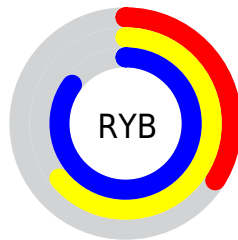
The CIELCh color **79, 45.796, 169.123** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **55, 54.581, 4.997**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.770, 179.448**, and **59, 45.296, 168.743** is the 20% darker color. If you saturate the color by 10%, you get **78, 51.314, 167.528**, and if you desaturate by 10%, it is **80, 39.460, 170.550**.

Distribution



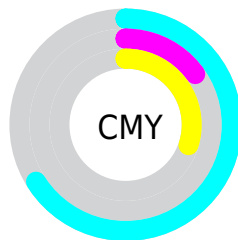
- Red (34%)
- Green (85%)
- Blue (70%)



- Red (34%)
- Yellow (64%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)





- Cyan (66%)
- Magenta (15%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 45.796, 169.123 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, 45.796, 169.123 by changing the saturation by 10% instead.


 79, 45.796,
169.123


 79, 45.796,
169.123


 100, 45.796,
169.123


 69, 45.796,
169.123


 99, 45.796,
169.123

 59, 45.796,
169.123

 49, 45.796,
169.123

 39, 45.796,
169.123

 29, 45.796,
169.123

 19, 45.796,
169.123

 9, 45.796, 169.123

■ 0, 45.796, 169.123

■ 79, 45.796,
169.123

■ 79, 45.796,
169.123

■ 78, 51.314,
167.528

■ 80, 39.460,
170.550

■ 78, 55.950,
165.745

■ 81, 32.413,
171.836

■ 77, 59.714,
163.760

■ 82, 24.792,
173.007

■ 77, 62.779,
161.624

■ 83, 16.741,
174.084

■ 77, 62.817,
161.597

■ 85, 8.398, 175.102

■ 87, 0.115, 351.533

■ 89, 8.693, 356.771

90, 15.317,
354.272

90, 16.985,
343.935

Harmonies

Complementary

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



79, 45.796, 169.123



55, 54.581, 4.997

Rectangle

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



79, 45.796, 169.123



79, 45.796, 219.123



79, 45.796, 349.123



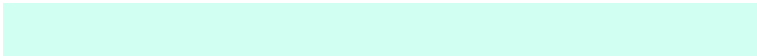
79, 45.796, 39.123

Sweetspot

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



79, 45.797, 169.122



97, 17.312, 174.261



79, 73.641, 132.236



51, 11.987, 173.956



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, 45.797, 169.122



90, 59.498, 167.051



73, 31.640, 221.833



45, 4.870, 175.146



63, 52.815, 161.959



16, 19.868, 166.321

Inverse Universe

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



55, 54.581, 4.997



59, 72.644, 8.892



59, 50.992, 39.220



43, 5.005, 356.792



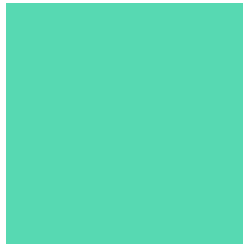
36, 65.566, 20.812



6, 23.899, 6.940

Previews

White Background



This preview shows how the CIELCh color 79, 45.796, 169.123 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, 45.796, 169.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

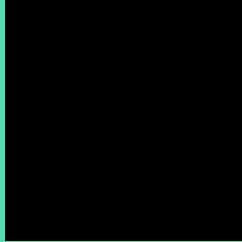
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

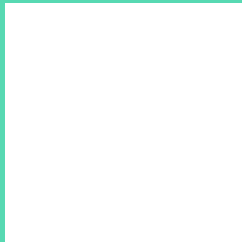
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 45.796, 169.123

Background



This preview shows how black text looks on a background with the CIELCh color 79, 45.796, 169.123.

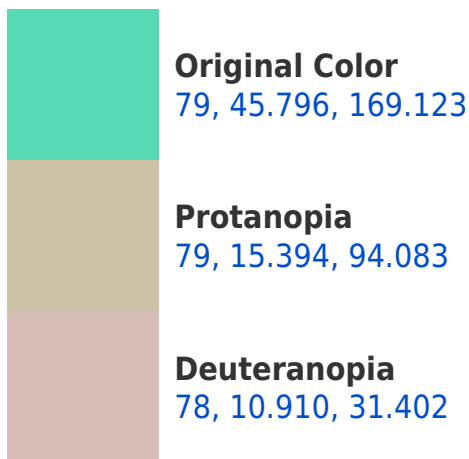


This preview shows how white text looks on a background with the CIELCh color 79, 45.796, 169.123.

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, 31.212, 214.518

Trichromacy



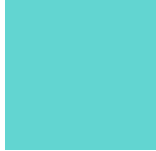
Original Color
79, 45.796, 169.123



Protanomaly
78, 22.986, 149.786



Deuteranomaly
78, 14.358, 159.028

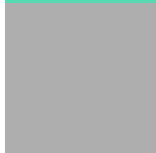


Tritanomaly
79, 34.315, 193.385

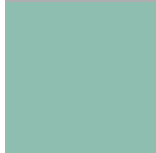
Monochromacy



Original Color
79, 45.796, 169.123



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 19.122, 172.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 45.796, 169.123 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(87, 217, 178)` looks like.

```
.text, #text, p{  
    color:rgb(87, 217, 178)  
}
```

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(87, 217, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 217, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 45.796, 169.123 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(87, 217, 178) }
```

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

```
.border{ border-color:rgb(87, 217, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 217, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 217, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 217, 178);  
box-shadow:4px 4px 4px 4px rgb(87, 217,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 45.796, 169.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 217, 178) }
```

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

```
.background{ background-color: rgb(87, 217,  
178) }
```

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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