

Converting Colors

CIELCh(78, 56.194, 165.164)

Have a look what the booklet for
CIELCh(78, 56.194, 165.164)
contains.

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Color

CIELCh(78, 56.552, 164.890)

Conversions

Conversions Part 1

Format	Color
Hex	2DDAA4
RGB	45, 218, 164
RGB Percent	18%, 85%, 64%
CMY	0.8218, 0.1464, 0.3580
CMYK	0.79, 0.00, 0.25, 0.15
HSL	161°, 70%, 52%
HSV	161°, 79%, 85%
XYZ	32.7622, 53.2120, 43.5232
YIQ	160.1170, -85.7740, -53.4700

Conversions

Conversions Part 2

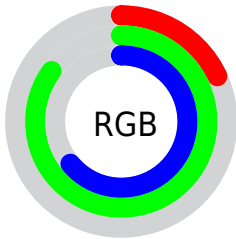
Format	Color
RYB	45, 147, 218
Decimal	3005092
CIELab	78.00, -54.60, 14.74
CIELCh	78, 56.552, 164.890
Yxy	53.2120, 0.2530, 0.4109
Android (android.graphics.Color)	4281195172 (0xFF2DDAA4)
YUV	160.1170, 1.9143, -100.9576
Hunter-Lab	72.9466, -47.4874, 15.6875

Details

The CIELCh color **78, 56.552, 164.890** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **49, 68.489, 10.251**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.064, 172.618**, and **59, 50.667, 161.413** is the 20% darker color. If you saturate the color by 10%, you get **78, 60.515, 162.895**, and if you desaturate by 10%, it is **79, 51.715, 166.680**.

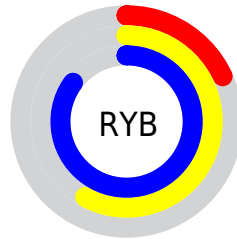
Distribution



 Red (18%)

 Green (85%)

 Blue (64%)




 Red (18%)

 Yellow (58%)

 Blue (85%)

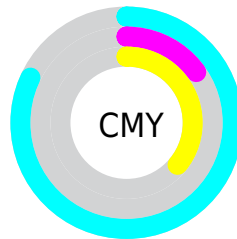


 Cyan (79%)


 Magenta (0%)

 Yellow (25%)

 Black (15%)



 Cyan (82%)


 Magenta (15%)


 Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 56.552, 164.890 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, 56.552, 164.890 by changing the saturation by 10% instead.


 78, 56.552,
164.890


 78, 56.552,
164.890


 100, 56.552,
164.890


 68, 56.552,
164.890


 98, 56.552,
164.890

 58, 56.552,
164.890

 48, 56.552,
164.890

 38, 56.552,
164.890

 28, 56.552,
164.890

 18, 56.552,
164.890

 8, 56.552, 164.890

0, 56.552, 164.890

78, 56.552,
164.890

78, 56.552,
164.890

78, 60.515,
162.895

79, 51.715,
166.680

77, 63.744,
160.734

79, 46.000,
168.280

77, 64.016,
160.549

80, 39.477,
169.711

81, 32.258,
170.999

82, 24.485,
172.169

84, 16.301,
173.245

 85, 7.845, 174.262

 87, 0.761, 354.451

 89, 9.416, 355.920

Harmonies

Complementary

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



78, 56.552, 164.890



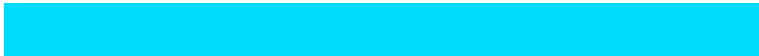
49, 68.489, 10.251

Rectangle

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



78, 56.552, 164.890



78, 56.552, 214.890



78, 56.552, 344.890



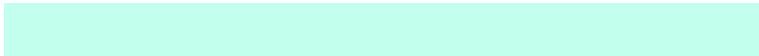
78, 56.552, 34.890

Sweetspot

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



78, 56.552, 164.889



96, 23.110, 172.707



78, 91.660, 131.866



50, 15.792, 172.315



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, 56.552, 164.889



89, 70.690, 161.444



70, 36.565, 225.777



45, 4.909, 174.230



63, 53.701, 160.919



16, 20.149, 165.344

Inverse Universe

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



49, 68.489, 10.251



54, 85.676, 18.329



52, 71.328, 41.367



43, 5.038, 355.874



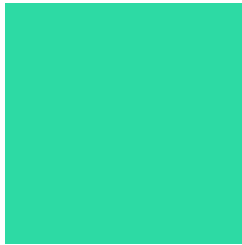
36, 65.174, 19.601



6, 23.935, 6.236

Previews

White Background



This preview shows how the CIELCh color 78, 56.552, 164.890 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 CIE LCh color 78, 56.552, 164.890 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

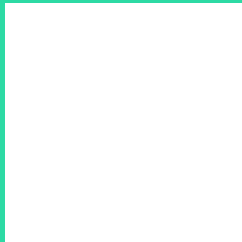
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 56.552, 164.890

Background



This preview shows how black text looks on a background with the CIELCh color 78, 56.552, 164.890.

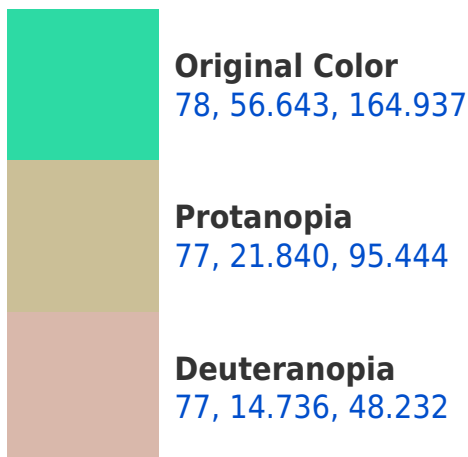


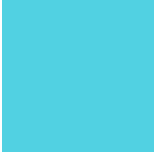
This preview shows how white text looks on a background with the CIELCh color 78, 56.552, 164.890.

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](#).

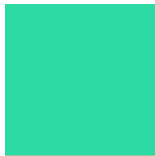
Dichromacy





Tritanopia
78, 35.226, 212.283

Trichromacy



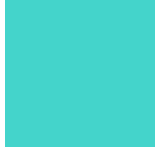
Original Color
78, 56.643, 164.937



Protanomaly
76, 31.731, 147.896



Deuteranomaly
76, 21.492, 153.397



Tritanomaly
78, 40.130, 189.596

Monochromacy



Original Color
78, 56.643, 164.937



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 25.021, 171.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 56.552, 164.890 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(45, 218, 164)` looks like.

```
.text, #text, p{  
    color:rgb(45, 218, 164)  
}
```

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(45, 218, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 218, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 56.552, 164.890 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(45, 218, 164) }
```

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

```
.border{ border-color:rgb(45, 218, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 218, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 218, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 218, 164);  
box-shadow:4px 4px 4px 4px rgb(45, 218,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 56.552, 164.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 218, 164) }
```

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

```
.background{ background-color: rgb(45, 218,  
164) }
```

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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