

Converting Colors

CIELCh(77, 55.334, 165.756)

Have a look what the booklet for
CIELCh(77, 55.334, 165.756)
contains.

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Color

CIELCh(77, 55.620, 165.515)

Conversions

Conversions Part 1

Format	Color
Hex	2BD7A3
RGB	43, 215, 163
RGB Percent	17%, 84%, 64%
CMY	0.8304, 0.1585, 0.3623
CMYK	0.80, 0.00, 0.24, 0.16
HSL	162°, 68%, 51%
HSV	162°, 80%, 84%
XYZ	31.7727, 51.5317, 42.7351
YIQ	157.6440, -85.8200, -52.6360

Conversions

Conversions Part 2

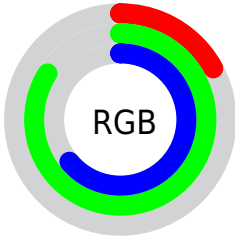
Format	Color
RYB	43, 144, 215
Decimal	2873251
CIELab	77.00, -53.85, 13.91
CIELCh	77, 55.620, 165.515
Yxy	51.5317, 0.2521, 0.4089
Android (android.graphics.Color)	4281063331 (0xFF2BD7A3)
YUV	157.6440, 2.6405, -100.5428
Hunter-Lab	71.7856, -46.6197, 14.9536

Details

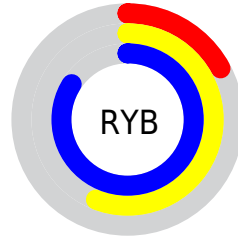
The CIELCh color **77, 55.620, 165.515** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 68.190, 11.363**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.549, 172.158**, and **58, 49.529, 161.977** is the 20% darker color. If you saturate the color by 10%, you get **77, 59.387, 163.527**, and if you desaturate by 10%, it is **77, 50.991, 167.300**.

Distribution



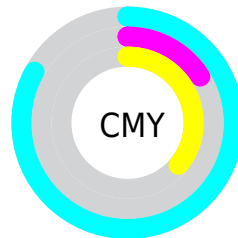
- Red (17%)
- Green (84%)
- Blue (64%)



- Red (17%)
- Yellow (56%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)





- Cyan (83%)
- Magenta (16%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 55.620, 165.515 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 77, 55.620, 165.515 by changing the saturation by 10% instead.


 77, 55.620,
165.515


 77, 55.620,
165.515


 100, 55.620,
165.515


 67, 55.620,
165.515


 97, 55.620,
165.515

 57, 55.620,
165.515

 47, 55.620,
165.515

 37, 55.620,
165.515

 27, 55.620,
165.515

 17, 55.620,
165.515

 7, 55.620, 165.515

0, 55.620, 165.515

77, 55.620,
165.515

77, 55.620,
165.515

77, 59.387,
163.527

77, 50.991,
167.300

76, 62.462,
161.387

78, 45.490,
168.897

76, 62.507,
161.356

79, 39.181,
170.326

80, 32.170,
171.614

81, 24.595,
172.785

83, 16.597,
173.863

■ 84, 8.314, 174.880

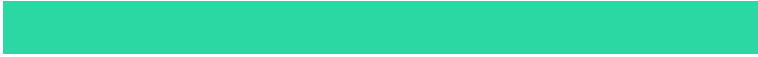
■ 86, 0.135, 352.010

■ 88, 8.645, 356.547

Harmonies

Complementary

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



77, 55.620, 165.515



48, 68.190, 11.363

Rectangle

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



77, 55.620, 165.515



77, 55.620, 215.515



77, 55.620, 345.515



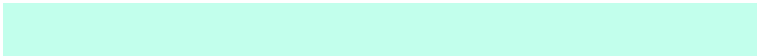
77, 55.620, 35.515

Sweetspot

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



77, 55.620, 165.514



96, 22.953, 173.400



77, 91.152, 131.874



50, 15.682, 173.009



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 55.620, 165.514



89, 70.155, 162.000



69, 36.282, 225.945



44, 4.786, 174.924



62, 52.431, 161.728



15, 19.171, 166.385

Inverse Universe

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



48, 68.190, 11.363



54, 86.431, 19.809



51, 71.225, 41.444



42, 4.916, 356.564



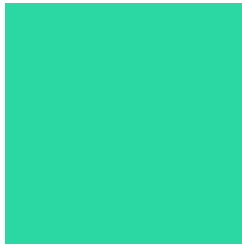
36, 64.731, 20.447



5, 22.288, 6.063

Previews

White Background



This preview shows how the CIELCh color 77, 55.620, 165.515 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 77, 55.620, 165.515 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

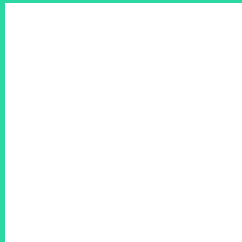
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 55.620, 165.515

Background



This preview shows how black text looks on a background with the CIELCh color 77, 55.620, 165.515.

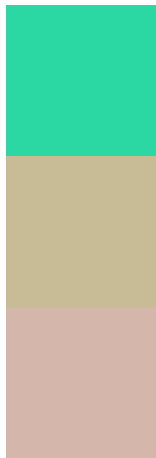


This preview shows how white text looks on a background with the CIELCh color 77, 55.620, 165.515.

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

77, 55.710, 165.560

Protanopia

76, 20.867, 94.902

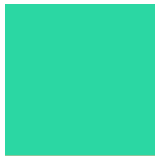
Deuteranopia

76, 13.781, 47.876



Tritanopia
77, 35.139, 211.410

Trichromacy



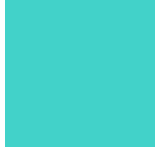
Original Color
77, 55.710, 165.560



Protanomaly
75, 30.978, 149.088



Deuteranomaly
75, 21.657, 155.585



Tritanomaly
77, 40.040, 189.554

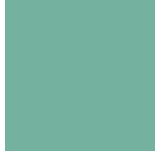
Monochromacy



Original Color
77, 55.710, 165.560



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 24.500, 172.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 55.620, 165.515 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(43, 215, 163)` looks like.

```
.text, #text, p{  
    color:rgb(43, 215, 163)  
}
```

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(43, 215, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 215, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 55.620, 165.515 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(43, 215, 163) }
```

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

```
.border{ border-color:rgb(43, 215, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 215, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 215, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 215, 163);  
box-shadow:4px 4px 4px 4px rgb(43, 215,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 55.620, 165.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 215, 163) }
```

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

```
.background{ background-color: rgb(43, 215,  
163) }
```

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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