

Converting Colors

CIELCh(76, 65.750, 158.061)

Have a look what the booklet for
CIELCh(76, 65.750, 158.061)
contains.

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Color

CIELCh(76, 65.724, 158.138)

Conversions

Conversions Part 1

Format	Color
Hex	01D68C
RGB	1, 214, 140
RGB Percent	0%, 84%, 55%
CMY	0.9961, 0.1615, 0.4517
CMYK	1.00, 0.00, 0.35, 0.16
HSL	159°, 99%, 42%
HSV	159°, 100%, 84%
XYZ	28.7288, 49.8872, 32.8558
YIQ	141.8770, -103.1940, -68.1700

Conversions

Conversions Part 2

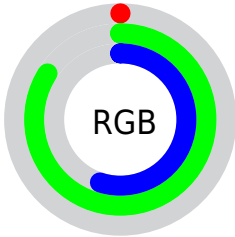
Format	Color
R _{YB}	1, 130, 214
Decimal	120460
CIE Lab	76.00, -61.00, 24.47
CIE LCh	76, 65.724, 158.138
Yxy	49.8872, 0.2577, 0.4475
Android (android.graphics.Color)	4278310540 (0xFF01D68C)
YUV	141.8770, -0.9254, -123.5491
Hunter-Lab	70.6309, -51.0001, 21.8614

Details

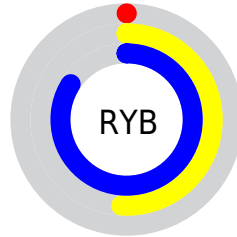
The CIELCh color **76, 65.724, 158.138** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **45, 75.288, 17.055**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 56.817, 162.253**, and **57, 57.834, 152.860** is the 20% darker color. If you saturate the color by 10%, you get **76, 65.881, 158.038**, and if you desaturate by 10%, it is **76, 62.227, 160.343**.

Distribution



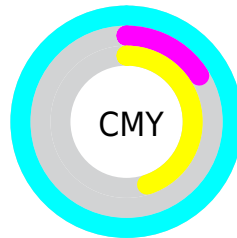
- Red (0%)
- Green (84%)
- Blue (55%)



- Red (0%)
- Yellow (51%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 65.724, 158.138 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 76, 65.724, 158.138 by changing the saturation by 10% instead.


 76, 65.724,
158.138


 76, 65.724,
158.138


 100, 65.724,
158.138


 66, 65.724,
158.138


 96, 65.724,
158.138

 56, 65.724,
158.138

 46, 65.724,
158.138

 36, 65.724,
158.138

 26, 65.724,
158.138

 16, 65.724,
158.138

 6, 65.724, 158.138

■ 0, 65.724, 158.138

■ 76, 65.724,
158.138

■ 76, 65.724,
158.138

■ 76, 65.881,
158.038

■ 76, 62.227,
160.343

■ 77, 58.025,
162.392

■ 77, 52.966,
164.232

■ 78, 47.050,
165.874

■ 79, 40.348,
167.338

■ 80, 32.975,
168.649

■ 81, 25.073,
169.834

■ 82, 16.787,
170.917

■ 84, 8.254, 171.931

Harmonies

Complementary

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



76, 65.724, 158.138



45, 75.288, 17.055

Rectangle

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



76, 65.724, 158.138



76, 65.724, 208.138



76, 65.724, 338.138



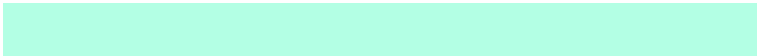
76, 65.724, 28.138

Sweetspot

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



76, 65.724, 158.138



95, 29.344, 169.748



76, 99.811, 132.249



50, 19.881, 169.254



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 65.724, 158.138



89, 75.573, 157.791



68, 38.131, 224.845



44, 4.918, 171.943



62, 55.378, 158.418



15, 20.073, 163.268

Inverse Universe

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



45, 75.288, 17.055



54, 86.382, 17.915



46, 88.478, 41.912



42, 5.033, 353.569



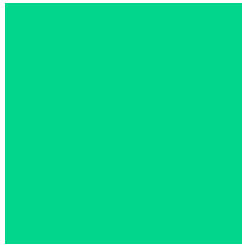
36, 63.606, 16.345



5, 22.458, 3.697

Previews

White Background



This preview shows how the CIELCh color 76, 65.724, 158.138 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 76, 65.724, 158.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

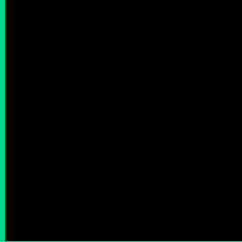
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 65.724, 158.138

Background



This preview shows how black text looks on a background with the CIELCh color 76, 65.724, 158.138.

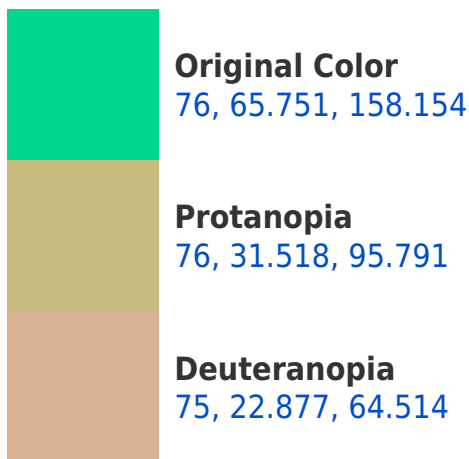


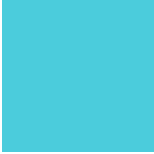
This preview shows how white text looks on a background with the CIELCh color 76, 65.724, 158.138.

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
76, 35.170, 211.415

Trichromacy



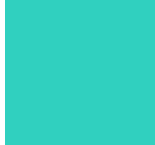
Original Color
76, 65.751, 158.154



Protanomaly
73, 42.908, 143.507



Deuteranomaly
73, 31.999, 146.288



Tritanomaly
76, 43.581, 184.038

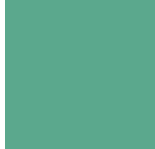
Monochromacy



Original Color
76, 65.751, 158.154



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 31.107, 167.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 65.724, 158.138 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(1, 214, 140)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 140)  
}
```

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(1, 214, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 65.724, 158.138 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(1, 214, 140) }
```

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

```
.border{ border-color:rgb(1, 214, 140) }
```

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

Here you see how a box with a 4 pixel rgb(1, 214, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 140);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 65.724, 158.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 140) }
```

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

```
.background{ background-color: rgb(1, 214,  
140) }
```

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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