

Converting Colors

CIELCh(78, 90.551, 142.935)

Have a look what the booklet for
CIELCh(78, 90.551, 142.935)
contains.

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Color

CIELCh(78, 90.255, 143.016)

Conversions

Conversions Part 1

Format	Color
Hex	15DE53
RGB	21, 222, 83
RGB Percent	8%, 87%, 33%
CMY	0.9170, 0.1281, 0.6733
CMYK	0.90, 0.00, 0.63, 0.13
HSL	139°, 83%, 48%
HSV	139°, 90%, 87%
XYZ	28.0970, 53.2120, 17.0369
YIQ	146.0550, -75.1770, -85.8410

Conversions

Conversions Part 2

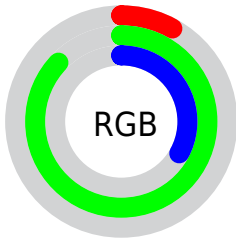
Format	Color
RYB	21, 175, 222
Decimal	1433171
CIELab	78.00, -72.10, 54.30
CIElCh	78, 90.255, 143.016
Yxy	53.2120, 0.2857, 0.5411
Android (android.graphics.Color)	4279623251 (0xFF15DE53)
YUV	146.0550, -31.0861, -109.6732
Hunter-Lab	72.9466, -58.9032, 37.2152

Details

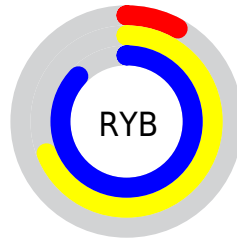
The CIELCh color **78, 90.255, 143.016** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **50, 82.057, 343.935**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 76.959, 144.380**, and **59, 82.888, 137.767** is the 20% darker color. If you saturate the color by 10%, you get **78, 95.580, 141.162**, and if you desaturate by 10%, it is **78, 83.517, 144.956**.

Distribution



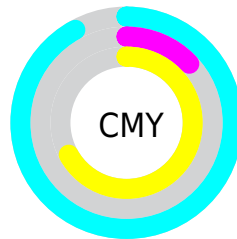
- Red (8%)
- Green (87%)
- Blue (33%)



- Red (8%)
- Yellow (69%)
- Blue (87%)



- Cyan (90%)
- Magenta (0%)
- Yellow (63%)
- Black (13%)





- Cyan (92%)
- Magenta (13%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 90.255, 143.016 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, 90.255, 143.016 by changing the saturation by 10% instead.


 78, 90.255,
143.016


 78, 90.255,
143.016


 100, 90.255,
143.016


 68, 90.255,
143.016


 98, 90.255,
143.016

 58, 90.255,
143.016

 48, 90.255,
143.016

 38, 90.255,
143.016

 28, 90.255,
143.016

 18, 90.255,
143.016

 8, 90.255, 143.016

0, 90.255, 143.016

78, 90.255,
143.016

78, 90.255,
143.016

78, 95.580,
141.162

78, 83.517,
144.956

79, 75.573,
146.757

80, 66.542,
148.379

81, 56.601,
149.811

82, 45.961,
151.061

83, 34.842,
152.148

■ 85, 23.451,
153.095

■ 87, 11.966,
153.929

■ 88, 0.532, 155.311

Harmonies

Complementary

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



78, 90.255, 143.016



50, 82.057, 343.935

Rectangle

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



78, 90.255, 143.016



78, 90.255, 193.016



78, 90.255, 323.016



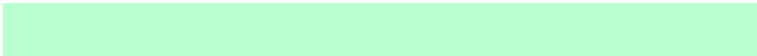
78, 90.255, 13.016

Sweetspot

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



78, 90.255, 143.016



95, 34.537, 152.472



82, 89.445, 119.128



50, 23.244, 152.131



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, 90.255, 143.016



88, 106.404, 141.000



80, 54.218, 172.345



46, 6.531, 154.011



63, 79.638, 141.496



16, 29.767, 145.814

Inverse Universe

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



50, 82.057, 343.935



56, 91.447, 346.007



48, 78.891, 25.144



44, 6.566, 335.266



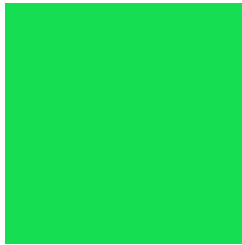
39, 69.539, 345.465



7, 29.217, 341.922

Previews

White Background



This preview shows how the CIELCh color 78, 90.255, 143.016 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 78, 90.255, 143.016 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, 90.255, 143.016

Background



This preview shows how black text looks on a background with the CIELCh color 78, 90.255, 143.016.

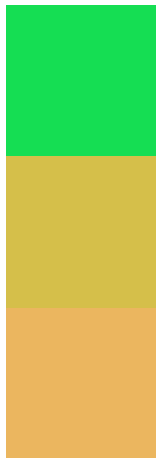


This preview shows how white text looks on a background with the CIELCh color 78, 90.255, 143.016.

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](#).

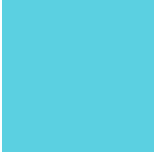
Dichromacy



Original Color
78, 90.216, 142.990

Protanopia
77, 60.034, 95.326

Deuteranopia
77, 51.818, 79.148



Tritanopia
78, 33.394, 213.256

Trichromacy



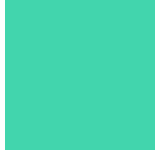
Original Color
78, 90.216, 142.990



Protanomaly
75, 67.269, 125.392



Deuteranomaly
75, 56.863, 122.008



Tritanomaly
77, 48.751, 169.806

Monochromacy



Original Color
78, 90.216, 142.990



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 39.228, 150.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 90.255, 143.016 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(21, 222, 83)` looks like.

```
.text, #text, p{  
    color:rgb(21, 222, 83)  
}
```

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(21, 222, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 222, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 90.255, 143.016 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(21, 222, 83) }
```

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

```
.border{ border-color:rgb(21, 222, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 222, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 222, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 222, 83);  
box-shadow:4px 4px 4px 4px rgb(21, 222,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 90.255, 143.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 222, 83) }
```

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

```
.background{ background-color: rgb(21, 222,  
83) }
```

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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