

Converting Colors

CIELCh(78, 91.513, 143.191)

Have a look what the booklet for
CIELCh(78, 91.513, 143.191)
contains.

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Color

CIELCh(78, 91.581, 143.137)

Conversions

Conversions Part 1

Format	Color
Hex	00DF52
RGB	0, 223, 82
RGB Percent	0%, 87%, 32%
CMY	1.0000, 0.1266, 0.6795
CMYK	1.00, 0.00, 0.63, 0.13
HSL	142°, 100%, 44%
HSV	142°, 100%, 87%
XYZ	27.8006, 53.2120, 16.7338
YIQ	140.2490, -87.6470, -91.1270

Conversions

Conversions Part 2

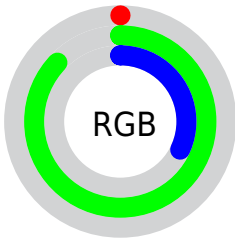
Format	Color
RYB	0, 163, 223
Decimal	57170
CIELab	78.00, -73.27, 54.94
CIELCh	78, 91.581, 143.137
Yxy	53.2120, 0.2844, 0.5444
Android (android.graphics.Color)	4278247250 (0xFF00DF52)
YUV	140.2490, -28.7168, -122.9984
Hunter-Lab	72.9466, -59.6285, 37.4616

Details

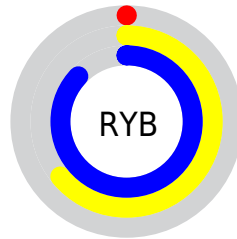
The CIELCh color **78, 91.581, 143.137** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **49, 79.973, 350.483**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 77.969, 144.652**, and **59, 83.702, 137.546** is the 20% darker color. If you saturate the color by 10%, you get **78, 91.542, 143.112**, and if you desaturate by 10%, it is **78, 85.982, 145.201**.

Distribution



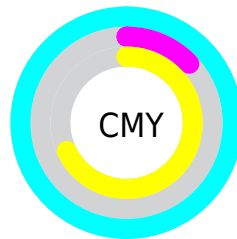
- Red (0%)
- Green (87%)
- Blue (32%)



- Red (0%)
- Yellow (64%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 91.581, 143.137 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, 91.581, 143.137 by changing the saturation by 10% instead.


 78, 91.581,
143.137


 78, 91.581,
143.137


 100, 91.581,
143.137


 68, 91.581,
143.137


 98, 91.581,
143.137

 58, 91.581,
143.137

 48, 91.581,
143.137

 38, 91.581,
143.137

 28, 91.581,
143.137

 18, 91.581,
143.137

 8, 91.581, 143.137

■ 0, 91.581, 143.137

■ 78, 91.581,
143.137

■ 78, 91.581,
143.137

■ 78, 91.542,
143.112

■ 78, 85.982,
145.201

■ 79, 79.413,
147.227

■ 79, 71.765,
149.081

■ 80, 63.120,
150.735

■ 81, 53.623,
152.191

■ 82, 43.464,
153.463

■ 83, 32.842,
154.573

■ 85, 21.949,
155.546

■ 87, 10.953,
156.412

Harmonies

Complementary

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



78, 91.581, 143.137



49, 79.973, 350.483

Rectangle

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



78, 91.581, 143.137



78, 91.581, 193.137



78, 91.581, 323.137



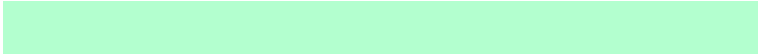
78, 91.581, 13.137

Sweetspot

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



78, 91.542, 143.112



94, 36.650, 154.549



81, 94.382, 123.133



49, 24.940, 154.095



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, 91.542, 143.112



88, 101.798, 142.939



80, 51.760, 177.973



46, 6.256, 156.458



63, 76.146, 143.474



16, 28.488, 147.787

Inverse Universe

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



49, 79.973, 350.483



56, 88.462, 350.716



47, 88.272, 34.606



44, 6.300, 337.782



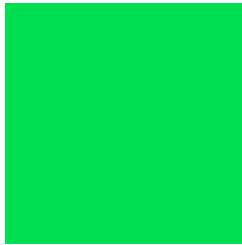
39, 67.263, 350.008



7, 28.209, 345.442

Previews

White Background



This preview shows how the CIELCh color 78, 91.581, 143.137 looks on a white background.

Color Contrast Check

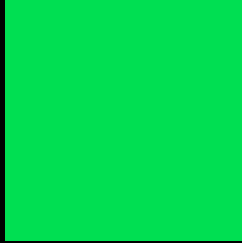
Large Text (above 18pt) WCAG AA × Fail

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, 91.581, 143.137 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, 91.581, 143.137

Background



This preview shows how black text looks on a background with the CIELCh color 78, 91.581, 143.137.

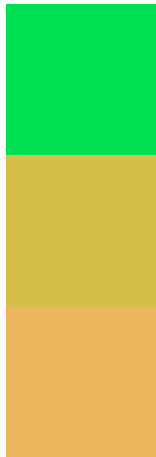


This preview shows how white text looks on a background with the CIELCh color 78, 91.581, 143.137.

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](#).

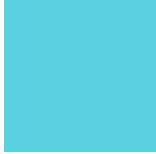
Dichromacy



Original Color
78, 91.581, 143.137

Protanopia
77, 60.449, 95.345

Deuteranopia
77, 52.262, 79.320



Tritanopia
78, 33.913, 212.000

Trichromacy



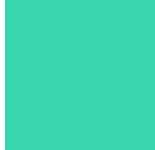
Original Color
78, 91.581, 143.137



Protanomaly
75, 69.244, 127.336



Deuteranomaly
74, 58.233, 124.388



Tritanomaly
77, 50.393, 169.954

Monochromacy



Original Color
78, 91.581, 143.137



Achromatopsia
58, 0.007, 296.813



Achromatomaly
64, 41.108, 152.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 91.581, 143.137 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(0, 223, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 82)  
}
```

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(0, 223, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 91.581, 143.137 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(0, 223, 82) }
```

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

```
.border{ border-color:rgb(0, 223, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 223, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 223, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 78, 91.581, 143.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 82) }
```

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

```
.background{ background-color: rgb(0, 223,  
82) }
```

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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