

Converting Colors

CIELCh(78, 100.189, 136.791)

Have a look what the booklet for
CIELCh(78, 100.189, 136.791)
contains.

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Color

CIELCh(78, 100.122, 136.766)

Conversions

Conversions Part 1

Format	Color
Hex	31DE2B
RGB	49, 222, 43
RGB Percent	19%, 87%, 17%
CMY	0.8098, 0.1283, 0.8300
CMYK	0.78, 0.00, 0.80, 0.13
HSL	118°, 73%, 52%
HSV	118°, 80%, 87%
XYZ	27.8827, 53.2120, 11.1206
YIQ	149.8670, -45.6490, -92.3450

Conversions

Conversions Part 2

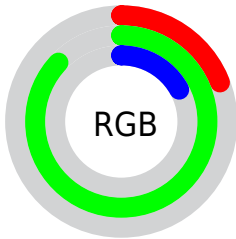
Format	Color
RYB	43, 222, 216
Decimal	3268139
CIELab	78.00, -72.95, 68.58
CIELCh	78, 100.122, 136.766
Yxy	53.2120, 0.3024, 0.5770
Android (android.graphics.Color)	4281458219 (0xFF31DE2B)
YUV	149.8670, -52.6854, -88.4604
Hunter-Lab	72.9466, -59.4277, 42.0239

Details

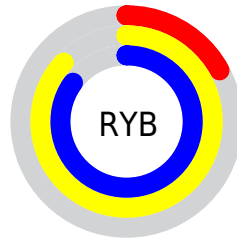
The CIELCh color **78, 100.122, 136.766** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **54, 97.869, 327.037**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.316, 136.612**, and **59, 86.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 105.330, 136.196**, and if you desaturate by 10%, it is **79, 92.149, 137.636**.

Distribution



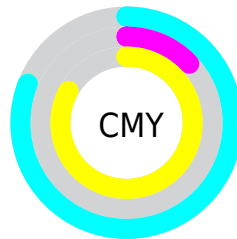
- Red (19%)
- Green (87%)
- Blue (17%)



- Red (17%)
- Yellow (87%)
- Blue (85%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (13%)





- Cyan (81%)
- Magenta (13%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 100.122, 136.766 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, 100.122, 136.766 by changing the saturation by 10% instead.


 78, 100.122,
136.766


 78, 100.122,
136.766


 100, 100.122,
136.766


 68, 100.122,
136.766


 98, 100.122,
136.766

 58, 100.122,
136.766

 48, 100.122,
136.766

 38, 100.122,
136.766

 28, 100.122,
136.766

 18, 100.122,
136.766

 8, 100.122,

136.766

■ 0, 100.122,
136.766

■ 78, 100.122,
136.766

■ 78, 100.122,
136.766

■ 78, 105.330,
136.196

■ 79, 92.149,
137.636

■ 78, 107.837,
135.921

■ 79, 81.911,
138.663

■ 80, 69.995,
139.718

■ 81, 56.931,
140.717

■ 83, 43.159,
141.618

■ 84, 29.027,
142.407

■ 86, 14.803,
143.091

■ 88, 0.684, 144.046

■ 91, 13.191,
324.114

Harmonies

Complementary

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



78, 100.122, 136.766



54, 97.869, 327.037

Rectangle

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



78, 100.122, 136.766



78, 100.122, 186.766



78, 100.122, 316.766



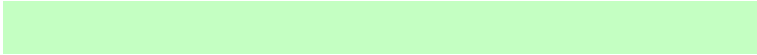
78, 100.122, 6.766

Sweetspot

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



78, 100.122, 136.767



95, 38.009, 142.129



84, 79.090, 101.515



50, 26.103, 141.844



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, 100.122, 136.767



88, 119.028, 136.011



79, 72.831, 151.480



46, 8.065, 143.158



63, 90.520, 135.889



16, 34.989, 138.961

Inverse Universe

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



54, 97.869, 327.037



59, 115.205, 327.091



51, 73.042, 352.932



44, 8.081, 324.154



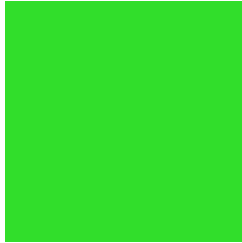
41, 87.606, 327.102



7, 35.914, 327.266

Previews

White Background



This preview shows how the CIELCh color 78, 100.122, 136.766 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, 100.122, 136.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

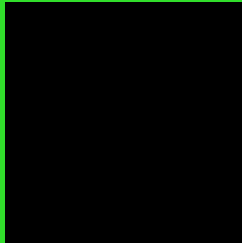
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 100.122, 136.766

Background



This preview shows how black text looks on a background with the CIELCh color 78, 100.122, 136.766.

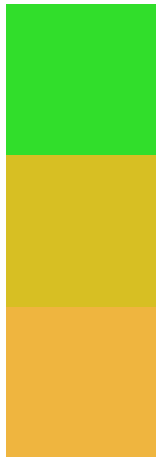


This preview shows how white text looks on a background with the CIELCh color 78, 100.122, 136.766.

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, 100.042, 136.708

Protanopia

77, 73.425, 94.971

Deuteranopia

77, 65.747, 81.125



Tritanopia
78, 31.164, 214.580

Trichromacy



Original Color

78, 100.042, 136.708



Protanomaly

76, 78.568, 118.236



Deuteranomaly

75, 69.024, 113.159



Tritanomaly

77, 51.319, 160.923

Monochromacy



Original Color

78, 100.042, 136.708



Achromatopsia

62, 0.008, 296.813



Achromatomaly

66, 43.069, 141.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 100.122, 136.766 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(49, 222, 43)` looks like.

```
.text, #text, p{  
    color:rgb(49, 222, 43)  
}
```

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(49, 222, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 222, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 100.122, 136.766 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(49, 222, 43) }
```

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

```
.border{ border-color:rgb(49, 222, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 222, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 222, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 222, 43);  
box-shadow:4px 4px 4px 4px rgb(49, 222,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 100.122, 136.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 222, 43) }
```

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

```
.background{ background-color: rgb(49, 222,  
43) }
```

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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