

Converting Colors

CIELCh(80, 103.209, 136.824)

Have a look what the booklet for
CIELCh(80, 103.209, 136.824)
contains.

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Color

CIELCh(80, 103.218, 136.876)

Conversions

Conversions Part 1

Format	Color
Hex	2DE52B
RGB	45, 229, 43
RGB Percent	18%, 90%, 17%
CMY	0.8246, 0.1025, 0.8321
CMYK	0.80, 0.00, 0.81, 0.10
HSL	119°, 78%, 53%
HSV	119°, 81%, 90%
XYZ	29.4807, 56.6813, 11.6543
YIQ	152.7800, -49.9580, -96.8540

Conversions

Conversions Part 2

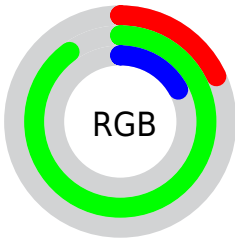
Format	Color
RYB	43, 229, 227
Decimal	3007787
CIELab	80.00, -75.34, 70.56
CIELCh	80, 103.218, 136.876
Yxy	56.6813, 0.3014, 0.5795
Android (android.graphics.Color)	4281197867 (0xFF2DE52B)
YUV	152.7800, -54.1215, -94.5231
Hunter-Lab	75.2870, -61.8556, 43.5229

Details

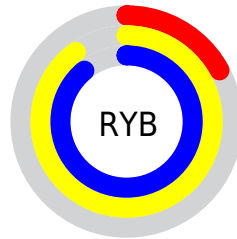
The CIELCh color **80, 103.218, 136.876** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **56, 100.596, 327.690**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.112, 136.905**, and **61, 89.167, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 108.168, 136.264**, and if you desaturate by 10%, it is **80, 95.374, 137.797**.

Distribution



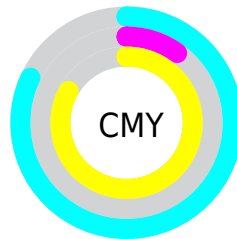
- Red (18%)
- Green (90%)
- Blue (17%)



- Red (17%)
- Yellow (90%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (81%)
- Black (10%)





- Cyan (82%)
- Magenta (10%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 103.218, 136.876 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 80, 103.218, 136.876 by changing the saturation by 10% instead.


 80, 103.218,
136.876


 80, 103.218,
136.876


 100, 103.218,
136.876


 70, 103.218,
136.876


 60, 103.218,
136.876

 50, 103.218,
136.876

 40, 103.218,
136.876

 30, 103.218,
136.876

 20, 103.218,
136.876

 10, 103.218,

136.876

■ 0, 103.218,
136.876

■ 80, 103.218,
136.876

■ 80, 103.218,
136.876

■ 80, 108.168,
136.264

■ 80, 95.374,
137.797

■ 80, 110.323,
135.984

■ 81, 85.116,
138.879

■ 82, 73.044,
139.989

■ 83, 59.715,
141.039

■ 85, 45.597,
141.983

■ 87, 31.066,
142.808

■ 88, 16.412,
143.520

■ 91, 1.852, 144.254

■ 93, 12.462,
324.584

Harmonies

Complementary

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



80, 103.218, 136.876



56, 100.596, 327.690

Rectangle

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



80, 103.218, 136.876



80, 103.218, 186.876



80, 103.218, 316.876



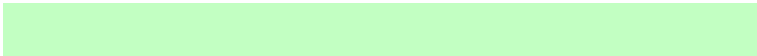
80, 103.218, 6.876

Sweetspot

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



80, 103.218, 136.877



95, 38.240, 142.584



88, 82.343, 102.402



50, 26.260, 142.290



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 103.218, 136.877



88, 119.325, 136.042



81, 73.862, 152.099



47, 8.266, 143.641



63, 91.595, 135.972



17, 36.668, 138.657

Inverse Universe

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



56, 100.596, 327.690



60, 115.279, 327.819



52, 74.552, 354.455



45, 8.280, 324.665



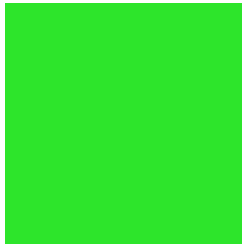
42, 88.465, 327.831



8, 37.121, 327.893

Previews

White Background



This preview shows how the CIELCh color 80, 103.218, 136.876 looks on a white background.

Color Contrast Check

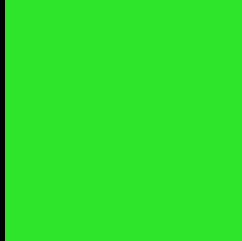
Large Text (above 18pt) WCAG AA × Fail

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 80, 103.218, 136.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

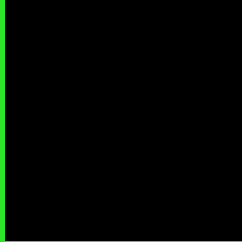
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 103.218, 136.876

Background



This preview shows how black text looks on a background with the CIELCh color 80, 103.218, 136.876.

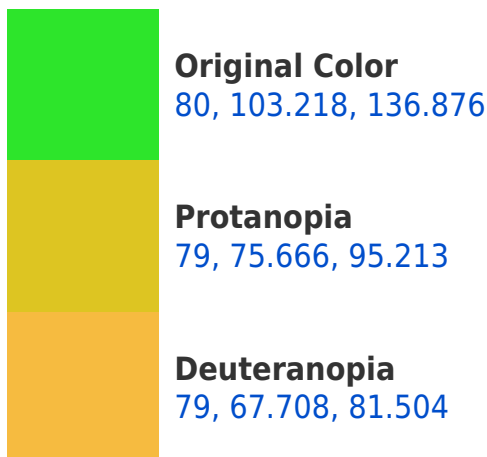


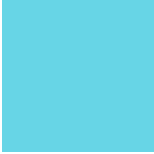
This preview shows how white text looks on a background with the CIELCh color 80, 103.218, 136.876.

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
80, 32.230, 213.872

Trichromacy



Original Color
80, 103.218, 136.876



Protanomaly
78, 81.521, 118.721

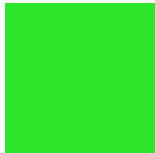


Deuteranomaly
77, 71.448, 113.760

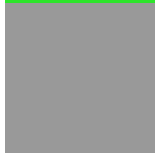


Tritanomaly
79, 53.185, 161.071

Monochromacy



Original Color
80, 103.218, 136.876



Achromatopsia
63, 0.008, 296.813



Achromatomaly
68, 45.023, 141.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 103.218, 136.876 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(45, 229, 43)` looks like.

```
.text, #text, p{  
    color:rgb(45, 229, 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(45, 229, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 229, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 103.218, 136.876 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(45, 229, 43) }
```

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

```
.border{ border-color:rgb(45, 229, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 229, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 229, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 229, 43);  
box-shadow:4px 4px 4px 4px rgb(45, 229,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 103.218, 136.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 229, 43) }
```

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

```
.background{ background-color: rgb(45, 229,  
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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