

Converting Colors

CIELCh(80, 109.464, 134.965)

Have a look what the booklet for
CIELCh(80, 109.464, 134.965)
contains.

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Color

CIELCh(80, 109.045, 135.091)

Conversions

Conversions Part 1

Format	Color
Hex	28E501
RGB	40, 229, 1
RGB Percent	16%, 90%, 0%
CMY	0.8440, 0.1006, 0.9955
CMYK	0.83, 0.00, 1.00, 0.10
HSL	110°, 99%, 45%
HSV	110°, 100%, 90%
XYZ	28.9889, 56.6813, 9.4448
YIQ	146.4970, -39.4560, -110.9760

Conversions

Conversions Part 2

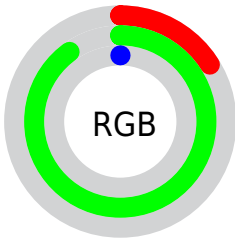
Format	Color
RYB	1, 229, 190
Decimal	2680065
CIELab	80.00, -77.23, 76.98
CIELCh	80, 109.045, 135.091
Yxy	56.6813, 0.3048, 0.5959
Android (android.graphics.Color)	4280870145 (0xFF28E501)
YUV	146.4970, -71.7300, -93.3979
Hunter-Lab	75.2870, -63.0215, 45.2630

Details

The CIELCh color **80, 109.045, 135.091** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **48, 108.151, 321.732**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.486, 134.535**, and **61, 89.167, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **80, 109.187, 135.101**, and if you desaturate by 10%, it is **80, 105.515, 134.831**.

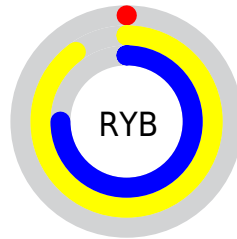
Distribution



Red (16%)

Green (90%)

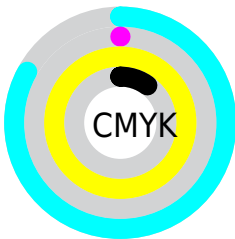
Blue (0%)



Red (0%)

Yellow (90%)

Blue (75%)

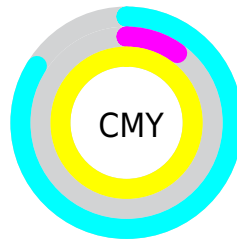


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (84%)


Magenta (10%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 109.045, 135.091 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, 109.045, 135.091 by changing the saturation by 10% instead.


 80, 109.045,
135.091


 80, 109.045,
135.091


 100, 109.045,
135.091


 70, 109.045,
135.091


 60, 109.045,
135.091

 50, 109.045,
135.091

 40, 109.045,
135.091

 30, 109.045,
135.091

 20, 109.045,
135.091

 10, 109.045,

135.091

■ 0, 109.045,
135.091

■ 80, 109.045,
135.091

■ 80, 109.045,
135.091

■ 80, 109.187,
135.101

■ 80, 105.515,
134.831

■ 81, 99.346,
134.905

■ 81, 90.606,
135.323

■ 82, 79.855,
135.955

■ 83, 67.686,
136.679

■ 84, 54.595,
137.410

■ 86, 40.961,
138.100

■ 87, 27.071,
138.725

■ 89, 13.134,
139.284

Harmonies

Complementary

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



80, 109.045, 135.091



48, 108.151, 321.732

Rectangle

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



80, 109.045, 135.091



80, 109.045, 185.091



80, 109.045, 315.091



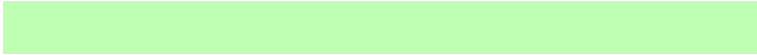
80, 109.045, 5.091

Sweetspot

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



80, 109.044, 135.092



94, 45.388, 138.055



78, 79.307, 89.159



50, 30.921, 137.768



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, 109.044, 135.092



88, 118.370, 135.147



80, 97.117, 141.457



47, 7.856, 139.286



64, 90.358, 134.968



18, 35.317, 135.908

Inverse Universe

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



48, 108.151, 321.732



53, 117.320, 321.675



51, 84.082, 346.361



45, 7.894, 320.132



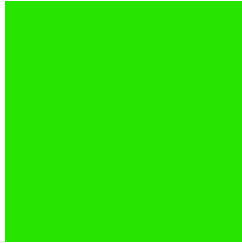
37, 89.725, 321.810



7, 37.169, 322.604

Previews

White Background



This preview shows how the CIELCh color 80, 109.045, 135.091 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 CIE LCh color 80, 109.045, 135.091 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, 109.045, 135.091

Background



This preview shows how black text looks on a background with the CIELCh color 80, 109.045, 135.091.

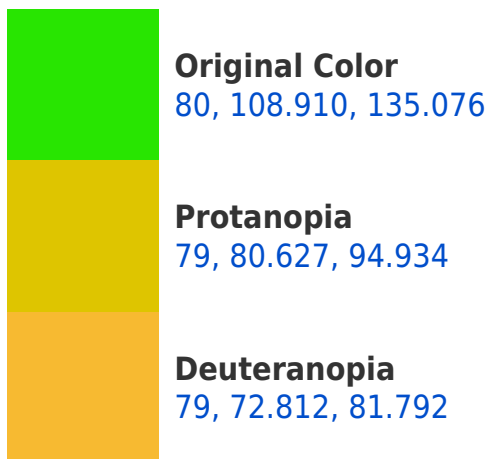


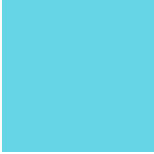
This preview shows how white text looks on a background with the CIELCh color 80, 109.045, 135.091.

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](#).

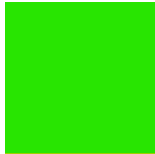
Dichromacy





Tritanopia
80, 32.420, 213.762

Trichromacy



Original Color

80, 108.910, 135.076



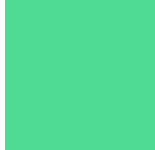
Protanomaly

78, 86.842, 117.666



Deuteranomaly

77, 78.177, 112.700



Tritanomaly

79, 59.267, 155.494

Monochromacy



Original Color

80, 108.910, 135.076



Achromatopsia

61, 0.008, 296.813



Achromatomaly

66, 52.181, 136.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 109.045, 135.091 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(40, 229, 1)` looks like.

```
.text, #text, p{  
  color:rgb(40, 229, 1)  
}
```

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(40, 229, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 229, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 109.045, 135.091 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(40, 229, 1) }
```

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

```
.border{ border-color:rgb(40, 229, 1) }
```

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

Here you see how a box with a 4 pixel rgb(40, 229, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 229, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 229, 1);  
box-shadow:4px 4px 4px 4px rgb(40, 229, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 80, 109.045, 135.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 229, 1) }
```

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

```
.background{ background-color: rgb(40, 229,  
1) }
```

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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