

Converting Colors

CIELCh(78, 105.106, 135.483)

Have a look what the booklet for
CIELCh(78, 105.106, 135.483)
contains.

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Color

CIELCh(78, 105.179, 135.506)

Conversions

Conversions Part 1

Format	Color
Hex	29DF12
RGB	41, 223, 18
RGB Percent	16%, 87%, 7%
CMY	0.8403, 0.1260, 0.9305
CMYK	0.82, 0.00, 0.92, 0.13
HSL	113°, 85%, 47%
HSV	113°, 92%, 87%
XYZ	27.3618, 53.2120, 9.3881
YIQ	145.2120, -42.6670, -102.3390

Conversions

Conversions Part 2

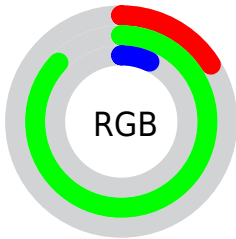
Format	Color
RYB	18, 223, 200
Decimal	2744082
CIELab	78.00, -75.03, 73.71
CIELCh	78, 105.179, 135.506
Yxy	53.2120, 0.3041, 0.5915
Android (android.graphics.Color)	4280934162 (0xFF29DF12)
YUV	145.2120, -62.7155, -91.3939
Hunter-Lab	72.9466, -60.7021, 43.4321

Details


The CIELCh color **78, 105.179, 135.506** 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 **50, 103.400, 324.063**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.308, 135.183**, and **59, 86.858, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 107.494, 135.545**, and if you desaturate by 10%, it is **78, 100.022, 135.695**.

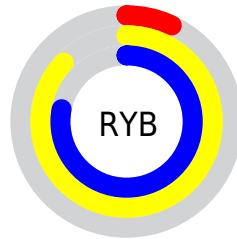
Distribution



 Red (16%)

 Green (87%)

 Blue (7%)



 Red (7%)

 Yellow (87%)

 Blue (78%)

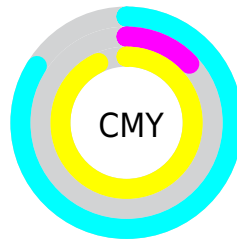


 Cyan (82%)


 Magenta (0%)

 Yellow (92%)

 Black (13%)



 Cyan (84%)


 Magenta (13%)


 Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 105.179, 135.506 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, 105.179, 135.506 by changing the saturation by 10% instead.


 78, 105.179,
135.506


 78, 105.179,
135.506


 100, 105.179,
135.506


 68, 105.179,
135.506


 98, 105.179,
135.506

 58, 105.179,
135.506

 48, 105.179,
135.506

 38, 105.179,
135.506

 28, 105.179,
135.506

 18, 105.179,
135.506

 8, 105.179,

135.506

■ 0, 105.179,
135.506

■ 78, 105.179,
135.506

■ 78, 105.179,
135.506

■ 78, 107.494,
135.545

■ 78, 100.022,
135.695

■ 79, 92.166,
136.226

■ 80, 82.105,
136.976

■ 81, 70.432,
137.816

■ 82, 57.672,
138.654

■ 83, 44.244,
139.436

■ 85, 30.472,
140.139

■ 86, 16.598,
140.759

■ 88, 2.800, 141.362

Harmonies

Complementary

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



78, 105.179, 135.506



50, 103.400, 324.063

Rectangle

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



78, 105.179, 135.506



78, 105.179, 185.506



78, 105.179, 315.506



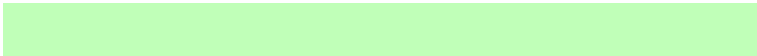
78, 105.179, 5.506

Sweetspot

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



78, 105.178, 135.507



94, 43.155, 139.716



80, 79.279, 95.330



50, 29.758, 139.399



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, 105.178, 135.507



88, 119.075, 135.587



78, 86.040, 145.402



46, 7.852, 140.908



63, 89.979, 135.451



16, 34.253, 137.453

Inverse Universe

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



50, 103.400, 324.063



56, 116.511, 323.815



50, 78.992, 349.668



44, 7.880, 321.805



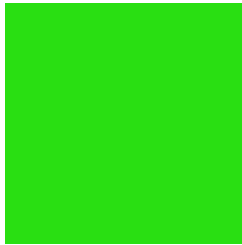
38, 88.181, 323.914



7, 35.753, 324.442

Previews

White Background



This preview shows how the CIELCh color 78, 105.179, 135.506 looks on a white background.

Color Contrast Check

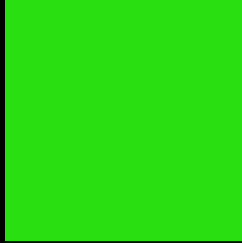
Large Text (above 18pt) WCAG AA × Fail

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 78, 105.179, 135.506 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, 105.179, 135.506

Background



This preview shows how black text looks on a background with the CIELCh color 78, 105.179, 135.506.



This preview shows how white text looks on a background with the CIELCh color 78, 105.179, 135.506.

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

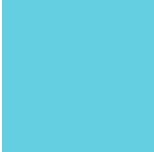
78, 105.179, 135.506

Protanopia

77, 78.768, 95.027

Deuteranopia

77, 70.131, 81.718



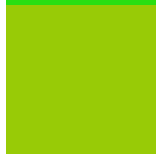
Tritanopia
78, 31.549, 214.340

Trichromacy



Original Color

78, 105.179, 135.506



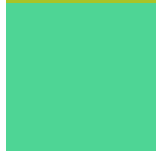
Protanomaly

76, 84.333, 117.661



Deuteranomaly

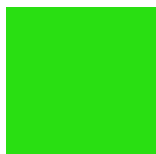
75, 74.355, 112.738



Tritanomaly

77, 55.481, 157.683

Monochromacy



Original Color

78, 105.179, 135.506



Achromatopsia

60, 0.008, 296.813



Achromatomaly

65, 47.799, 138.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 105.179, 135.506 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(41, 223, 18)` looks like.

```
.text, #text, p{  
    color:rgb(41, 223, 18)  
}
```

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(41, 223, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 223, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 105.179, 135.506 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(41, 223, 18) }
```

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

```
.border{ border-color:rgb(41, 223, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 223, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 223, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 223, 18);  
box-shadow:4px 4px 4px 4px rgb(41, 223,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 105.179, 135.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 223, 18) }
```

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

```
.background{ background-color: rgb(41, 223,  
18) }
```

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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