

Converting Colors

CIELCh(75, 99.657, 136.800)

Have a look what the booklet for
CIELCh(75, 99.657, 136.800)
contains.

CIELCh(75, 99.746, 136.814)	3
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Color

CIELCh(75, 99.746, 136.814)

Conversions

Conversions Part 1

Format	Color
Hex	20D621
RGB	32, 214, 33
RGB Percent	13%, 84%, 13%
CMY	0.8749, 0.1626, 0.8691
CMYK	0.85, 0.00, 0.84, 0.16
HSL	120°, 74%, 48%
HSV	120°, 85%, 84%
XYZ	24.8024, 48.2781, 9.4768
YIQ	138.9480, -50.3710, -94.8750

Conversions

Conversions Part 2

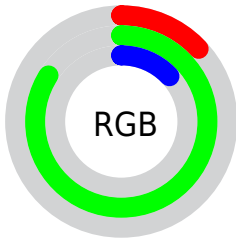
Format	Color
RYB	32, 213, 214
Decimal	2151969
CIELab	75.00, -72.73, 68.26
CIELCh	75, 99.746, 136.814
Yxy	48.2781, 0.3004, 0.5848
Android (android.graphics.Color)	4280342049 (0xFF20D621)
YUV	138.9480, -52.2324, -93.7934
Hunter-Lab	69.4824, -57.8770, 40.5510

Details

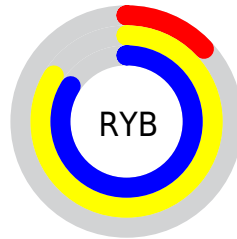
The CIELCh color **75, 99.746, 136.814** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **52, 96.581, 328.387**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 91.656, 136.769**, and **56, 83.367, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 103.533, 136.234**, and if you desaturate by 10%, it is **75, 93.198, 137.723**.

Distribution



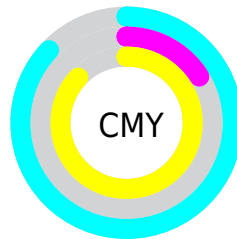
- Red (13%)
- Green (84%)
- Blue (13%)



- Red (13%)
- Yellow (84%)
- Blue (84%)



- Cyan (85%)
- Magenta (0%)
- Yellow (84%)
- Black (16%)





- Cyan (87%)
- Magenta (16%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 99.746, 136.814 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 75, 99.746, 136.814 by changing the saturation by 10% instead.


 75, 99.746,
136.814


 75, 99.746,
136.814


 100, 99.746,
136.814


 65, 99.746,
136.814


 95, 99.746,
136.814

 55, 99.746,
136.814

 45, 99.746,
136.814

 35, 99.746,
136.814

 25, 99.746,
136.814

 15, 99.746,
136.814

 5, 99.746, 136.814

■ 0, 99.746, 136.814

■ 75, 99.746,
136.814

■ 75, 99.746,
136.814

■ 75, 103.533,
136.234

■ 75, 93.198,
137.723

■ 75, 104.629,
136.071

■ 76, 84.234,
138.826

■ 77, 73.388,
139.981

■ 78, 61.191,
141.088

■ 79, 48.103,
142.093

■ 81, 34.505,
142.976

■ 82, 20.698,
143.738

■ 84, 6.911, 144.409

■ 87, 6.691, 324.874

Harmonies

Complementary

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



75, 99.746, 136.814



52, 96.581, 328.387

Rectangle

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



75, 99.746, 136.814



75, 99.746, 186.814



75, 99.746, 316.814



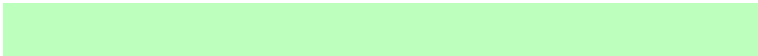
75, 99.746, 6.814

Sweetspot

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



75, 99.746, 136.815



94, 41.331, 142.876



83, 80.741, 103.180



50, 27.995, 142.577



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 99.746, 136.815



88, 119.650, 136.060



76, 70.928, 152.216



44, 7.793, 144.123



61, 88.568, 136.089



14, 32.033, 141.241

Inverse Universe

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



52, 96.581, 328.387



60, 114.821, 328.564



48, 71.523, 356.816



42, 7.804, 325.154



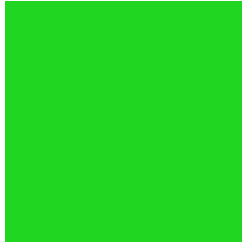
40, 85.067, 328.555



6, 32.759, 328.305

Previews

White Background



This preview shows how the CIELCh color 75, 99.746, 136.814 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 75, 99.746, 136.814 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 75, 99.746, 136.814

Background



This preview shows how black text looks on a background with the CIELCh color 75, 99.746, 136.814.



This preview shows how white text looks on a background with the CIELCh color 75, 99.746, 136.814.

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](#).

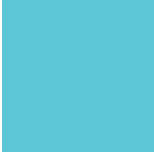
Dichromacy



Original Color
75, 99.992, 136.779

Protanopia
74, 72.924, 95.020

Deuteranopia
74, 65.223, 81.820



Tritanopia
75, 31.161, 213.601

Trichromacy



Original Color
75, 99.992, 136.779



Protanomaly
73, 78.619, 119.079



Deuteranomaly
72, 69.193, 114.826



Tritanomaly
74, 51.806, 160.829

Monochromacy



Original Color
75, 99.992, 136.779



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 44.086, 141.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 99.746, 136.814 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(32, 214, 33)` looks like.

```
.text, #text, p{  
    color:rgb(32, 214, 33)  
}
```

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(32, 214, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 214, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 99.746, 136.814 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(32, 214, 33) }
```

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

```
.border{ border-color:rgb(32, 214, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 214, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 214, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 214, 33);  
box-shadow:4px 4px 4px 4px rgb(32, 214,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 99.746, 136.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 214, 33) }
```

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

```
.background{ background-color: rgb(32, 214,  
33) }
```

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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