

Converting Colors

CIELCh(75, 96.729, 133.964)

Have a look what the booklet for
CIELCh(75, 96.729, 133.964)
contains.

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Color

CIELCh(75, 96.865, 133.955)

Conversions

Conversions Part 1

Format	Color
Hex	45D41C
RGB	69, 212, 28
RGB Percent	27%, 83%, 11%
CMY	0.7309, 0.1697, 0.8919
CMYK	0.68, 0.00, 0.87, 0.17
HSL	107°, 77%, 47%
HSV	107°, 87%, 83%
XYZ	26.1042, 48.2781, 9.0135
YIQ	148.2670, -26.1640, -87.5400

Conversions

Conversions Part 2

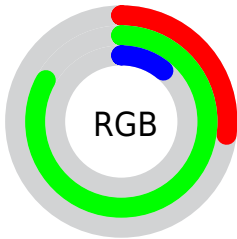
Format	Color
RYB	28, 212, 171
Decimal	4576284
CIELab	75.00, -67.23, 69.73
CIELCh	75, 96.865, 133.955
Yxy	48.2781, 0.3130, 0.5789
Android (android.graphics.Color)	4282766364 (0xFF45D41C)
YUV	148.2670, -59.2916, -69.5172
Hunter-Lab	69.4824, -54.5327, 40.9464

Details

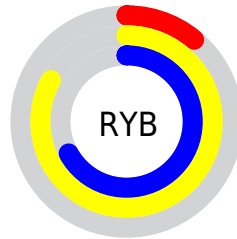
The CIELCh color **75, 96.865, 133.955** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **44, 98.379, 320.435**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.466, 133.422**, and **56, 82.977, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 100.993, 134.338**, and if you desaturate by 10%, it is **76, 90.244, 133.973**.

Distribution



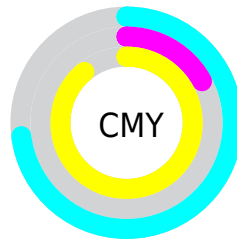
- Red (27%)
- Green (83%)
- Blue (11%)



- Red (11%)
- Yellow (83%)
- Blue (67%)



- Cyan (68%)
- Magenta (0%)
- Yellow (87%)
- Black (17%)





- Cyan (73%)
- Magenta (17%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 96.865, 133.955 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, 96.865, 133.955 by changing the saturation by 10% instead.


 75, 96.865,
133.955


 75, 96.865,
133.955


 100, 96.865,
133.955


 65, 96.865,
133.955


 95, 96.865,
133.955

 55, 96.865,
133.955

 45, 96.865,
133.955

 35, 96.865,
133.955

 25, 96.865,
133.955

 15, 96.865,
133.955

 5, 96.865, 133.955

■ 0, 96.865, 133.955

■ 75, 96.865,
133.955

■ 75, 96.865,
133.955

■ 75, 100.993,
134.338

■ 76, 90.244,
133.973

■ 75, 101.943,
134.456

■ 76, 81.442,
134.319

■ 77, 71.005,
134.865

■ 78, 59.450,
135.499

■ 79, 47.191,
136.145

■ 80, 34.535,
136.760

■ 82, 21.711,
137.323

■ 84, 8.883, 137.834

■ 85, 3.831, 318.191

Harmonies

Complementary

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



75, 96.865, 133.955



44, 98.379, 320.435

Rectangle

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



75, 96.865, 133.955



75, 96.865, 183.955



75, 96.865, 313.955



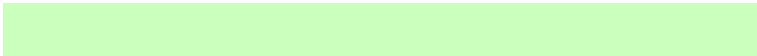
75, 96.865, 3.955

Sweetspot

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



75, 96.865, 133.956



95, 38.704, 136.801



71, 69.916, 86.988



50, 26.225, 136.593



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, 96.865, 133.956



88, 117.460, 134.561



75, 87.401, 142.370



44, 7.302, 137.712



61, 86.719, 134.305



14, 30.178, 136.641

Inverse Universe

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



44, 98.379, 320.435



51, 118.260, 319.756



49, 80.550, 340.650



42, 7.347, 318.512



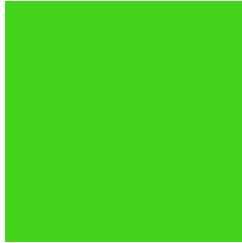
34, 87.522, 319.952



5, 31.321, 319.813

Previews

White Background



This preview shows how the CIELCh color 75, 96.865, 133.955 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, 96.865, 133.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

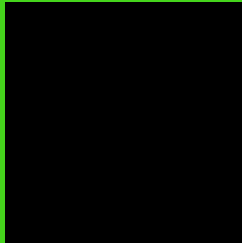
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 96.865, 133.955

Background



This preview shows how black text looks on a background with the CIELCh color 75, 96.865, 133.955.

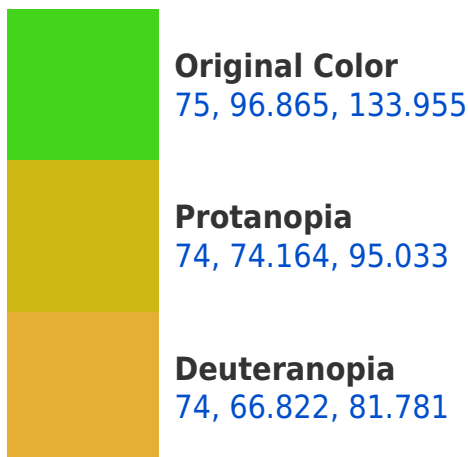


This preview shows how white text looks on a background with the CIELCh color 75, 96.865, 133.955.

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
75, 27.477, 216.110

Trichromacy



Original Color
75, 96.865, 133.955



Protanomaly
73, 78.030, 114.837



Deuteranomaly
73, 69.734, 109.669



Tritanomaly
74, 47.827, 156.966

Monochromacy



Original Color
75, 96.865, 133.955



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 41.969, 136.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 96.865, 133.955 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(69, 212, 28)` looks like.

```
.text, #text, p{  
    color:rgb(69, 212, 28)  
}
```

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(69, 212, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 212, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 96.865, 133.955 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(69, 212, 28) }
```

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

```
.border{ border-color:rgb(69, 212, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 212, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 212, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 212, 28);  
box-shadow:4px 4px 4px 4px rgb(69, 212,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 96.865, 133.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 212, 28) }
```

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

```
.background{ background-color: rgb(69, 212,  
28) }
```

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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