

Converting Colors

CIE LCh(76, 95.390, 140.139)

Have a look what the booklet for
CIELCh(76, 95.390, 140.139)
contains.

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Color

CIELCh(76, 95.635, 140.081)

Conversions

Conversions Part 1

Format	Color
Hex	09D93C
RGB	9, 217, 60
RGB Percent	4%, 85%, 24%
CMY	0.9659, 0.1499, 0.7656
CMYK	0.96, 0.00, 0.72, 0.15
HSL	135°, 92%, 44%
HSV	135°, 96%, 85%
XYZ	25.6720, 49.8872, 12.5186
YIQ	136.9100, -73.5710, -92.9230

Conversions

Conversions Part 2

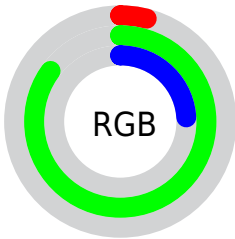
Format	Color
RYB	9, 176, 217
Decimal	645436
CIELab	76.00, -73.35, 61.37
CIELCh	76, 95.635, 140.081
Yxy	49.8872, 0.2915, 0.5664
Android (android.graphics.Color)	4278835516 (0xFF09D93C)
YUV	136.9100, -37.9166, -112.1771
Hunter-Lab	70.6309, -58.7253, 38.9331

Details

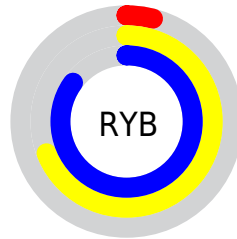
The CIELCh color **76, 95.635, 140.081** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **49, 84.386, 340.642**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 85.382, 140.651**, and **57, 84.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **76, 97.651, 139.423**, and if you desaturate by 10%, it is **76, 89.725, 141.878**.

Distribution



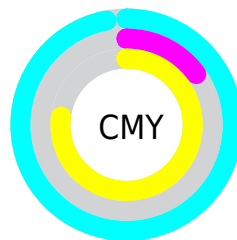
- Red (4%)
- Green (85%)
- Blue (24%)



- Red (4%)
- Yellow (69%)
- Blue (85%)



- Cyan (96%)
- Magenta (0%)
- Yellow (72%)
- Black (15%)





- Cyan (97%)
- Magenta (15%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 95.635, 140.081 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 76, 95.635, 140.081 by changing the saturation by 10% instead.


 76, 95.635,
140.081


 76, 95.635,
140.081


 100, 95.635,
140.081


 66, 95.635,
140.081


 96, 95.635,
140.081

 56, 95.635,
140.081

 46, 95.635,
140.081

 36, 95.635,
140.081

 26, 95.635,
140.081

 16, 95.635,
140.081

 6, 95.635, 140.081

■ 0, 95.635, 140.081

■ 76, 95.635,
140.081

■ 76, 95.635,
140.081

■ 76, 97.651,
139.423

■ 76, 89.725,
141.878

■ 77, 82.379,
143.642

■ 77, 73.739,
145.285

■ 78, 64.002,
146.768

■ 79, 53.401,
148.075

■ 80, 42.180,
149.214

■ 82, 30.574,
150.201

■ 84, 18.789,
151.057

■ 85, 6.997, 151.824

Harmonies

Complementary

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



76, 95.635, 140.081



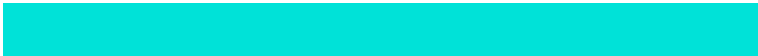
49, 84.386, 340.642

Rectangle

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



76, 95.635, 140.081



76, 95.635, 190.081



76, 95.635, 320.081



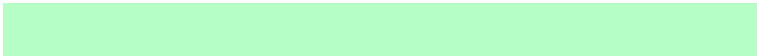
76, 95.635, 10.081

Sweetspot

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



76, 95.635, 140.082



94, 38.901, 149.892



81, 87.806, 116.295



49, 26.647, 149.465



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 95.635, 140.082



88, 110.833, 139.252



77, 59.054, 165.198



45, 6.716, 151.563



62, 82.114, 139.711



15, 29.679, 144.742

Inverse Universe

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



49, 84.386, 340.642



57, 95.432, 341.379



46, 77.432, 22.547



43, 6.742, 332.749



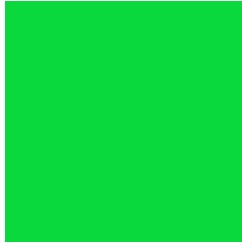
39, 71.771, 340.978



6, 29.082, 338.296

Previews

White Background



This preview shows how the CIELCh color 76, 95.635, 140.081 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 76, 95.635, 140.081 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 76, 95.635, 140.081

Background



This preview shows how black text looks on a background with the CIELCh color 76, 95.635, 140.081.

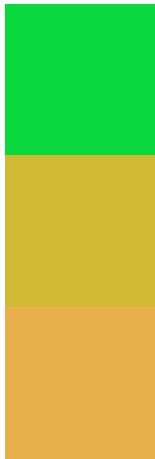


This preview shows how white text looks on a background with the CIELCh color 76, 95.635, 140.081.

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](#).

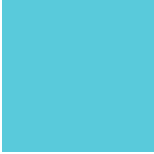
Dichromacy



Original Color
76, 95.658, 140.097

Protanopia
75, 66.497, 95.380

Deuteranopia
75, 58.551, 80.182



Tritanopia
76, 32.538, 213.797

Trichromacy



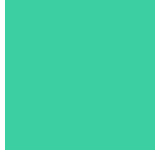
Original Color
76, 95.658, 140.097



Protanomaly
73, 73.707, 123.742



Deuteranomaly
72, 63.804, 120.042



Tritanomaly
75, 50.611, 166.429

Monochromacy



Original Color
76, 95.658, 140.097



Achromatopsia
57, 0.007, 296.813



Achromatomaly
62, 42.693, 148.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 95.635, 140.081 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(9, 217, 60)` looks like.

```
.text, #text, p{  
    color:rgb(9, 217, 60)  
}
```

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(9, 217, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 217, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 95.635, 140.081 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(9, 217, 60) }
```

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

```
.border{ border-color:rgb(9, 217, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 217, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 217, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 217, 60);  
box-shadow:4px 4px 4px 4px rgb(9, 217, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 76, 95.635, 140.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 217, 60) }
```

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

```
.background{ background-color: rgb(9, 217,  
60) }
```

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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