

Converting Colors

CIELCh(76, 89.728, 138.084)

Have a look what the booklet for
CIELCh(76, 89.728, 138.084)
contains.

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Color

CIELCh(76, 89.998, 138.068)

Conversions

Conversions Part 1

Format	Color
Hex	40D740
RGB	64, 215, 64
RGB Percent	25%, 84%, 25%
CMY	0.7507, 0.1581, 0.7502
CMYK	0.70, 0.00, 0.70, 0.16
HSL	120°, 65%, 55%
HSV	120°, 70%, 84%
XYZ	27.2261, 49.8872, 12.9990
YIQ	152.6370, -41.5250, -78.9730

Conversions

Conversions Part 2

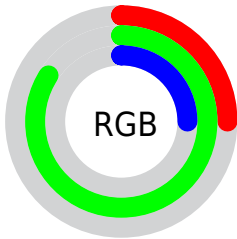
Format	Color
RYB	64, 215, 215
Decimal	4249408
CIELab	76.00, -66.95, 60.14
CIELCh	76, 89.998, 138.068
Yxy	49.8872, 0.3021, 0.5536
Android (android.graphics.Color)	4282439488 (0xFF40D740)
YUV	152.6370, -43.6980, -77.7346
Hunter-Lab	70.6309, -54.7977, 38.5298

Details

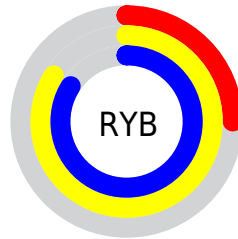
The CIELCh color **76, 89.998, 138.068** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **55, 88.365, 327.809**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 80.622, 138.029**, and **57, 84.146, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **76, 97.713, 137.083**, and if you desaturate by 10%, it is **77, 80.051, 139.192**.

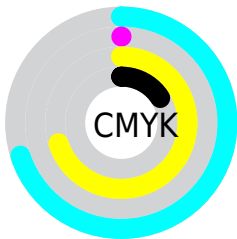
Distribution



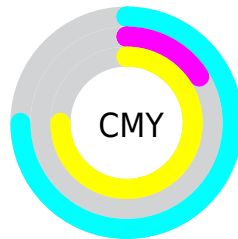
- Red (25%)
- Green (84%)
- Blue (25%)



- Red (25%)
- Yellow (84%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (16%)





- Cyan (75%)
- Magenta (16%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 89.998, 138.068 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, 89.998, 138.068 by changing the saturation by 10% instead.


 76, 89.998,
138.068


 76, 89.998,
138.068


 100, 89.998,
138.068


 66, 89.998,
138.068


 96, 89.998,
138.068

 56, 89.998,
138.068

 46, 89.998,
138.068

 36, 89.998,
138.068

 26, 89.998,
138.068

 16, 89.998,
138.068

 6, 89.998, 138.068

■ 0, 89.998, 138.068

■ 76, 89.998,
138.068

■ 76, 89.998,
138.068

■ 76, 97.713,
137.083

■ 77, 80.051,
139.192

■ 75, 102.723,
136.383

■ 78, 68.433,
140.325

■ 75, 105.180,
136.021

■ 79, 55.664,
141.383

■ 80, 42.176,
142.330

■ 82, 28.321,
143.153

■ 84, 14.369,
143.865

■ 86, 0.522, 144.963

■ 88, 13.078,
324.923

■ 90, 25.250,
325.304

Harmonies

Complementary

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



76, 89.998, 138.068



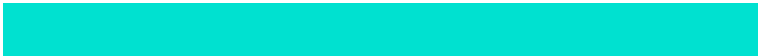
55, 88.365, 327.809

Rectangle

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



76, 89.998, 138.068



76, 89.998, 188.068



76, 89.998, 318.068



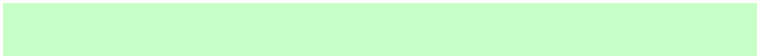
76, 89.998, 8.068

Sweetspot

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



76, 89.998, 138.069



95, 33.547, 143.090



84, 72.360, 103.901



50, 22.710, 142.870



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, 89.998, 138.069



88, 114.191, 136.729



77, 62.172, 155.102



44, 7.832, 143.929



61, 88.710, 136.023



14, 32.151, 141.126

Inverse Universe

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



55, 88.365, 327.809



62, 110.889, 328.123



52, 65.027, 352.815



42, 7.843, 324.958



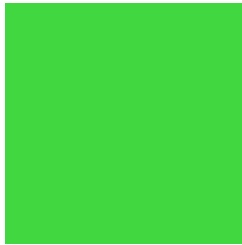
41, 85.554, 328.263



6, 32.933, 328.068

Previews

White Background



This preview shows how the CIELCh color 76, 89.998, 138.068 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, 89.998, 138.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

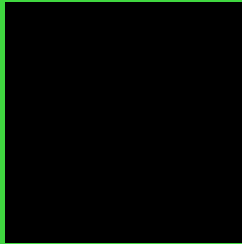
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 89.998, 138.068

Background



This preview shows how black text looks on a background with the CIELCh color 76, 89.998, 138.068.

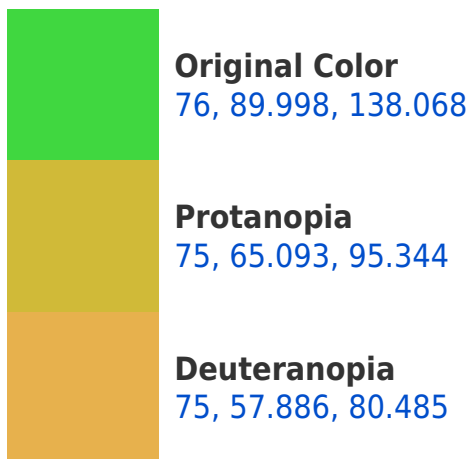


This preview shows how white text looks on a background with the CIELCh color 76, 89.998, 138.068.

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



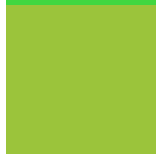


Tritanopia
76, 29.062, 216.079

Trichromacy



Original Color
76, 89.998, 138.068



Protanomaly
74, 69.405, 118.388



Deuteranomaly
74, 60.675, 113.008



Tritanomaly
75, 44.726, 164.164

Monochromacy



Original Color
76, 89.998, 138.068



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 36.949, 142.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 89.998, 138.068 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(64, 215, 64)` looks like.

```
.text, #text, p{  
    color:rgb(64, 215, 64)  
}
```

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(64, 215, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 215, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 89.998, 138.068 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(64, 215, 64) }
```

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

```
.border{ border-color:rgb(64, 215, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 215, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 215, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 215, 64);  
box-shadow:4px 4px 4px 4px rgb(64, 215,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 89.998, 138.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 215, 64) }
```

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

```
.background{ background-color: rgb(64, 215,  
64) }
```

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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