

Converting Colors

CIELCh(68, 76.996, 138.996)

Have a look what the booklet for
CIELCh(68, 76.996, 138.996)
contains.

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Color

CIELCh(68, 77.039, 138.941)

Conversions

Conversions Part 1

Format	Color
Hex	40BD42
RGB	64, 189, 66
RGB Percent	25%, 74%, 26%
CMY	0.7481, 0.2581, 0.7404
CMYK	0.66, 0.00, 0.65, 0.26
HSL	121°, 49%, 50%
HSV	121°, 66%, 74%
XYZ	21.3579, 37.9720, 11.3862
YIQ	137.6030, -35.0170, -64.7530

Conversions

Conversions Part 2

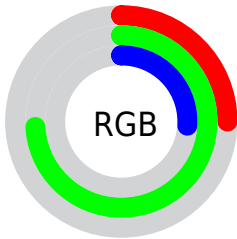
Format	Color
RYB	64, 187, 189
Decimal	4242754
CIELab	68.00, -58.09, 50.60
CIELCh	68, 77.039, 138.941
Yxy	37.9720, 0.3020, 0.5370
Android (android.graphics.Color)	4282432834 (0xFF40BD42)
YUV	137.6030, -35.3003, -64.5498
Hunter-Lab	61.6215, -45.9697, 32.1797

Details

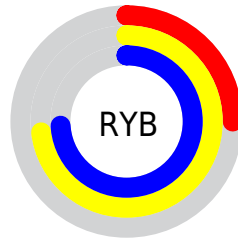
The CIELCh color **68, 77.039, 138.941** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **50, 75.803, 328.125**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 76.758, 138.881**, and **48, 73.948, 136.194** is the 20% darker color. If you saturate the color by 10%, you get **67, 85.103, 137.828**, and if you desaturate by 10%, it is **69, 67.297, 140.102**.

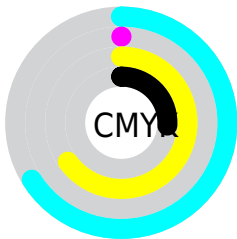
Distribution



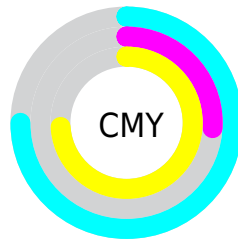
- Red (25%)
- Green (74%)
- Blue (26%)



- Red (25%)
- Yellow (73%)
- Blue (74%)



- Cyan (66%)
- Magenta (0%)
- Yellow (65%)
- Black (26%)




- Cyan (75%)
- Magenta (26%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 77.039, 138.941 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 68, 77.039, 138.941 by changing the saturation by 10% instead.

 68, 77.039,
138.941

 68, 77.039,
138.941


 100, 77.039,
138.941


 58, 77.039,
138.941


 88, 77.039,
138.941

 48, 77.039,
138.941

 98, 77.039,
138.941

 38, 77.039,
138.941

 28, 77.039,
138.941

 18, 77.039,
138.941

 8, 77.039, 138.941

 0, 77.039, 138.941

■ 68, 77.039,
138.941

■ 68, 77.039,
138.941

■ 67, 85.103,
137.828

■ 69, 67.297,
140.102

■ 67, 91.023,
136.896

■ 70, 56.339,
141.213

■ 67, 94.502,
136.284

■ 71, 44.571,
142.221

■ 67, 95.416,
136.139

■ 72, 32.331,
143.108

■ 74, 19.887,
143.875

■ 76, 7.447, 144.547

■ 77, 4.840, 325.013

■ 80, 16.868,
325.517

■ 82, 28.570,
325.919

Harmonies

Complementary

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



68, 77.039, 138.941



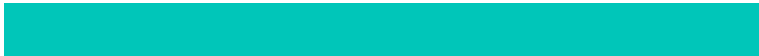
50, 75.803, 328.125

Rectangle

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



68, 77.039, 138.941



68, 77.039, 188.941



68, 77.039, 318.941



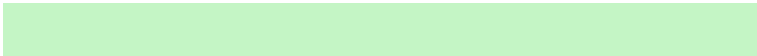
68, 77.039, 8.941

Sweetspot

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



68, 77.039, 138.942



92, 30.596, 143.562



75, 62.357, 104.222



48, 20.873, 143.344



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 77.039, 138.942



85, 106.641, 137.405



69, 53.435, 155.962



39, 6.983, 144.331



57, 83.484, 136.169



9, 21.517, 144.678

Inverse Universe

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



50, 75.803, 328.125



60, 103.528, 328.540



47, 56.224, 351.756



37, 6.994, 325.347



37, 79.881, 328.853



3, 21.166, 325.989

Previews

White Background



This preview shows how the CIE LCh color 68, 77.039, 138.941 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 68, 77.039, 138.941 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 68, 77.039, 138.941

Background



This preview shows how black text looks on a background with the CIELCh color 68, 77.039, 138.941.

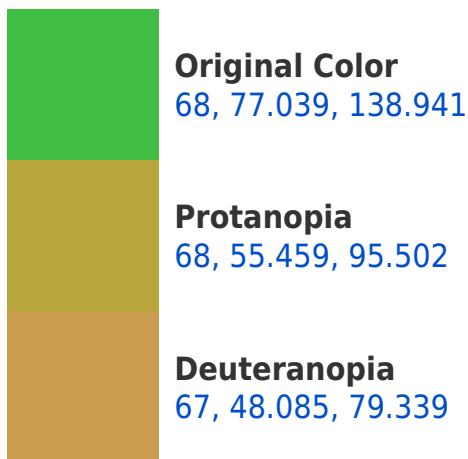


This preview shows how white text looks on a background with the CIELCh color 68, 77.039, 138.941.

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
68, 25.415, 215.427

Trichromacy



Original Color
68, 77.039, 138.941



Protanomaly
67, 59.157, 118.664



Deuteranomaly
66, 50.247, 112.450



Tritanomaly
67, 37.979, 165.822

Monochromacy



Original Color
68, 77.039, 138.941



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 31.093, 143.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 77.039, 138.941 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, 189, 66)` looks like.

```
.text, #text, p{  
    color:rgb(64, 189, 66)  
}
```

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, 189, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 189, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 77.039, 138.941 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, 189, 66) }
```

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

```
.border{ border-color:rgb(64, 189, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 189, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 189, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 189, 66);  
box-shadow:4px 4px 4px 4px rgb(64, 189,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 77.039, 138.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 189, 66) }
```

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

```
.background{ background-color: rgb(64, 189,  
66) }
```

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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