

Converting Colors

CIELCh(77, 90.130, 138.104)

Have a look what the booklet for
CIELCh(77, 90.130, 138.104)
contains.

CIELCh(77, 90.418, 138.029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 90.418, 138.029)

Conversions

Conversions Part 1

Format	Color
Hex	43DA42
RGB	67, 218, 66
RGB Percent	26%, 85%, 26%
CMY	0.7391, 0.1464, 0.7425
CMYK	0.69, 0.00, 0.70, 0.15
HSL	120°, 67%, 56%
HSV	120°, 70%, 85%
XYZ	28.2393, 51.5317, 13.5604
YIQ	155.5230, -41.2040, -79.2840

Conversions

Conversions Part 2

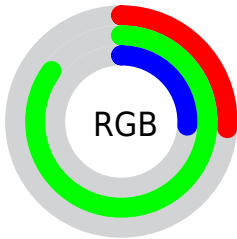
Format	Color
RYB	66, 218, 217
Decimal	4446786
CIELab	77.00, -67.22, 60.47
CIELCh	77, 90.418, 138.029
Yxy	51.5317, 0.3026, 0.5521
Android (android.graphics.Color)	4282636866 (0xFF43DA42)
YUV	155.5230, -44.1348, -77.6347
Hunter-Lab	71.7856, -55.4058, 39.0500

Details

The CIELCh color **77, 90.418, 138.029** 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 **56, 88.880, 327.584**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 79.524, 138.069**, and **58, 85.311, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **76, 98.360, 137.058**, and if you desaturate by 10%, it is **78, 80.250, 139.136**.

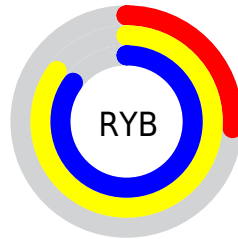
Distribution



Red (26%)

Green (85%)

Blue (26%)



Red (26%)

Yellow (85%)

Blue (85%)

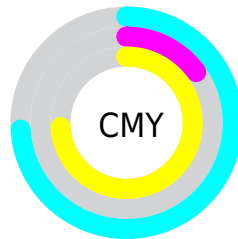


Cyan (69%)

Magenta (0%)

Yellow (70%)

Black (15%)



Cyan (74%)


Magenta (15%)


Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 90.418, 138.029 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 77, 90.418, 138.029 by changing the saturation by 10% instead.


 77, 90.418,
138.029


 77, 90.418,
138.029


 100, 90.418,
138.029


 67, 90.418,
138.029


 97, 90.418,
138.029

 57, 90.418,
138.029

 47, 90.418,
138.029

 37, 90.418,
138.029

 27, 90.418,
138.029

 17, 90.418,
138.029

 7, 90.418, 138.029

0, 90.418, 138.029

77, 90.418,
138.029

77, 90.418,
138.029

76, 98.360,
137.058

78, 80.250,
139.136

76, 103.584,
136.368

79, 68.429,
140.251

76, 106.217,
136.002

80, 55.475,
141.292

76, 106.255,
135.997

81, 41.821,
142.222

83, 27.817,
143.033

85, 13.729,
143.733

■ 87, 0.244, 323.177

■ 89, 13.962,
324.774

■ 91, 23.383,
325.239

Harmonies

Complementary

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



77, 90.418, 138.029



56, 88.880, 327.584

Rectangle

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



77, 90.418, 138.029



77, 90.418, 188.029



77, 90.418, 318.029



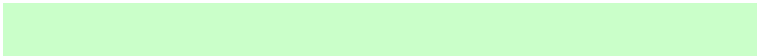
77, 90.418, 8.029

Sweetspot

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



77, 90.418, 138.030



95, 33.502, 142.929



84, 71.804, 103.090



50, 22.680, 142.711



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 90.418, 138.030



88, 114.152, 136.675



78, 63.446, 154.353



45, 7.974, 143.759



62, 89.671, 135.990



15, 33.669, 140.127

Inverse Universe

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



56, 88.880, 327.584



61, 110.948, 327.892



53, 65.856, 351.541



43, 7.987, 324.783



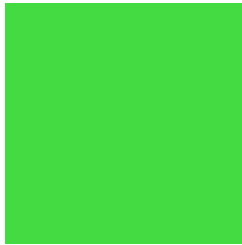
41, 86.568, 328.007



7, 34.538, 327.978

Previews

White Background



This preview shows how the CIELCh color 77, 90.418, 138.029 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 77, 90.418, 138.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

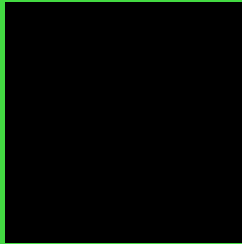
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 90.418, 138.029

Background



This preview shows how black text looks on a background with the CIELCh color 77, 90.418, 138.029.

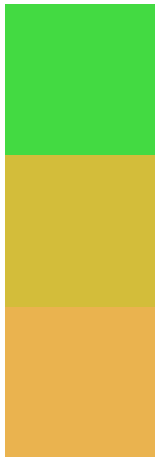


This preview shows how white text looks on a background with the CIELCh color 77, 90.418, 138.029.

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
77, 90.418, 138.029

Protanopia
76, 65.505, 95.460

Deuteranopia
76, 58.022, 80.184



Tritanopia
77, 29.095, 216.017

Trichromacy



Original Color
77, 90.418, 138.029



Protanomaly
75, 69.795, 118.297



Deuteranomaly
75, 60.588, 112.642



Tritanomaly
76, 44.701, 164.277

Monochromacy



Original Color
77, 90.418, 138.029



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 36.840, 142.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 90.418, 138.029 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(67, 218, 66)` looks like.

```
.text, #text, p{  
    color:rgb(67, 218, 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(67, 218, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 218, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 90.418, 138.029 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(67, 218, 66) }
```

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

```
.border{ border-color:rgb(67, 218, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 218, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 218, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 218, 66);  
box-shadow:4px 4px 4px 4px rgb(67, 218,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 90.418, 138.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 218, 66) }
```

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

```
.background{ background-color: rgb(67, 218,  
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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