

Converting Colors

CIELCh(75, 89.549, 138.108)

Have a look what the booklet for
CIELCh(75, 89.549, 138.108)
contains.

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Color

CIELCh(75, 89.568, 138.104)

Conversions

Conversions Part 1

Format	Color
Hex	3DD43E
RGB	61, 212, 62
RGB Percent	24%, 83%, 24%
CMY	0.7623, 0.1697, 0.7579
CMYK	0.71, 0.00, 0.71, 0.17
HSL	120°, 64%, 53%
HSV	120°, 71%, 83%
XYZ	26.2400, 48.2781, 12.4544
YIQ	149.7510, -41.8460, -78.6620

Conversions

Conversions Part 2

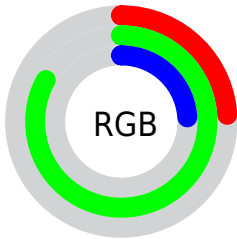
Format	Color
RYB	61, 211, 212
Decimal	4052030
CIELab	75.00, -66.67, 59.81
CIELCh	75, 89.568, 138.104
Yxy	48.2781, 0.3017, 0.5551
Android (android.graphics.Color)	4282242110 (0xFF3DD43E)
YUV	149.7510, -43.2612, -77.8346
Hunter-Lab	69.4824, -54.1838, 38.0102

Details

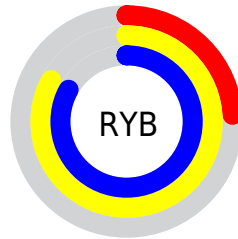
The CIELCh color **75, 89.568, 138.104** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **54, 87.784, 328.047**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 81.873, 138.140**, and **56, 82.977, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 97.018, 137.110**, and if you desaturate by 10%, it is **76, 79.905, 139.239**.

Distribution



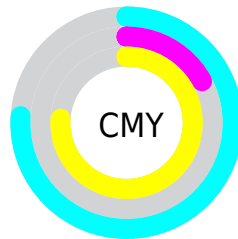
- Red (24%)
- Green (83%)
- Blue (24%)



- Red (24%)
- Yellow (83%)
- Blue (83%)



- Cyan (71%)
- Magenta (0%)
- Yellow (71%)
- Black (17%)





- Cyan (76%)
- Magenta (17%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 89.568, 138.104 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, 89.568, 138.104 by changing the saturation by 10% instead.


 75, 89.568,
138.104


 75, 89.568,
138.104


 100, 89.568,
138.104


 65, 89.568,
138.104


 95, 89.568,
138.104

 55, 89.568,
138.104

 45, 89.568,
138.104

 35, 89.568,
138.104

 25, 89.568,
138.104

 15, 89.568,
138.104

 5, 89.568, 138.104

■ 0, 89.568, 138.104

■ 75, 89.568,
138.104

■ 75, 89.568,
138.104

■ 75, 97.018,
137.110

■ 76, 79.905,
139.239

■ 74, 101.810,
136.400

■ 77, 68.573,
140.384

■ 74, 103.975,
136.067

■ 78, 56.076,
141.456

■ 79, 42.844,
142.415

■ 81, 29.225,
143.252

■ 83, 15.491,
143.973

■ 85, 1.843, 144.709

■ 87, 11.574,
325.050

■ 89, 24.663,
325.496

Harmonies

Complementary

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



75, 89.568, 138.104



54, 87.784, 328.047

Rectangle

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



75, 89.568, 138.104



75, 89.568, 188.104



75, 89.568, 318.104



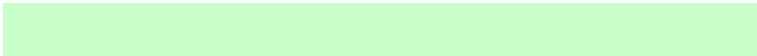
75, 89.568, 8.104

Sweetspot

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



75, 89.568, 138.105



95, 33.398, 143.263



83, 72.278, 103.844



50, 22.609, 143.042



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, 89.568, 138.105



88, 115.082, 136.673



76, 62.146, 154.934



44, 7.797, 144.102



61, 88.583, 136.082



14, 32.045, 141.229

Inverse Universe

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



54, 87.784, 328.047



61, 111.307, 328.388



51, 64.906, 353.028



42, 7.809, 325.133



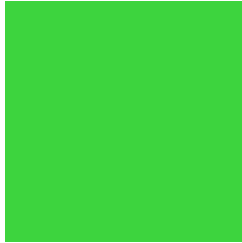
40, 85.117, 328.525



6, 32.777, 328.280

Previews

White Background



This preview shows how the CIELCh color 75, 89.568, 138.104 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, 89.568, 138.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

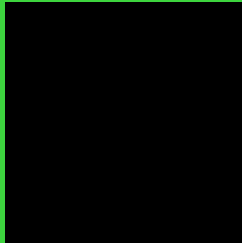
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 89.568, 138.104

Background



This preview shows how black text looks on a background with the CIELCh color 75, 89.568, 138.104.

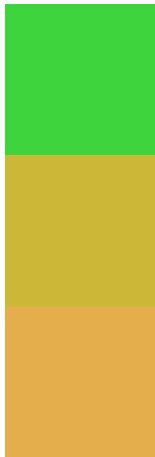


This preview shows how white text looks on a background with the CIELCh color 75, 89.568, 138.104.

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

75, 89.568, 138.104

Protanopia

74, 64.678, 95.224

Deuteranopia

74, 57.366, 80.618



Tritanopia
75, 28.975, 215.015

Trichromacy



Original Color
75, 89.568, 138.104



Protanomaly
73, 69.013, 118.482



Deuteranomaly
73, 60.361, 113.456



Tritanomaly
74, 44.741, 164.086

Monochromacy



Original Color
75, 89.568, 138.104



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 37.060, 142.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 89.568, 138.104 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(61, 212, 62)` looks like.

```
.text, #text, p{  
    color:rgb(61, 212, 62)  
}
```

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(61, 212, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 212, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 89.568, 138.104 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(61, 212, 62) }
```

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

```
.border{ border-color:rgb(61, 212, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 212, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 212, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 212, 62);  
box-shadow:4px 4px 4px 4px rgb(61, 212,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 89.568, 138.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 212, 62) }
```

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

```
.background{ background-color: rgb(61, 212,  
62) }
```

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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