

Converting Colors

CIELCh(72, 84.404, 139.617)

Have a look what the booklet for
CIELCh(72, 84.404, 139.617)
contains.

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Color

CIELCh(72, 84.100, 139.700)

Conversions

Conversions Part 1

Format	Color
Hex	37CA43
RGB	55, 202, 67
RGB Percent	22%, 79%, 26%
CMY	0.7857, 0.2061, 0.7356
CMYK	0.73, 0.00, 0.67, 0.21
HSL	125°, 58%, 50%
HSV	125°, 73%, 79%
XYZ	23.8047, 43.6590, 12.5487
YIQ	142.6570, -44.2770, -73.1490

Conversions

Conversions Part 2

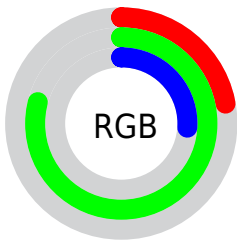
Format	Color
RYB	55, 191, 202
Decimal	3656259
CIELab	72.00, -64.14, 54.40
CIELCh	72, 84.100, 139.700
Yxy	43.6590, 0.2975, 0.5457
Android (android.graphics.Color)	4281846339 (0xFF37CA43)
YUV	142.6570, -37.2989, -76.8752
Hunter-Lab	66.0750, -51.3234, 34.9924

Details

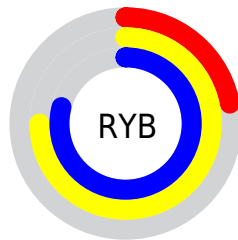
The CIELCh color **72, 84.100, 139.700** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **51, 81.420, 330.872**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 81.332, 139.727**, and **52, 79.049, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 91.417, 138.406**, and if you desaturate by 10%, it is **73, 75.036, 141.025**.

Distribution



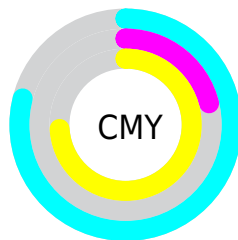
- Red (22%)
- Green (79%)
- Blue (26%)



- Red (22%)
- Yellow (75%)
- Blue (79%)



- Cyan (73%)
- Magenta (0%)
- Yellow (67%)
- Black (21%)





- Cyan (79%)
- Magenta (21%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 84.100, 139.700 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 72, 84.100, 139.700 by changing the saturation by 10% instead.

 72, 84.100,
139.700

 72, 84.100,
139.700

 100, 84.100,
139.700

 62, 84.100,
139.700


 92, 84.100,
139.700

 52, 84.100,
139.700

 42, 84.100,
139.700

 32, 84.100,
139.700

 22, 84.100,
139.700

 12, 84.100,
139.700

 2, 84.100, 139.700

■ 0, 84.100, 139.700

■ 72, 84.100,
139.700

■ 72, 84.100,
139.700

■ 72, 91.417,
138.406

■ 73, 75.036,
141.025

■ 71, 96.637,
137.270

■ 73, 64.613,
142.286

■ 71, 99.009,
136.696

■ 75, 53.206,
143.432

■ 76, 41.153,
144.442

■ 77, 28.740,
145.317

■ 79, 16.201,
146.073

■ 81, 3.719, 146.770

■ 83, 8.574, 327.206

■ 85, 20.587,
327.690

Harmonies

Complementary

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



72, 84.100, 139.700



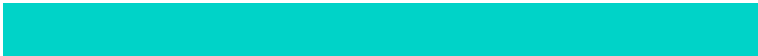
51, 81.420, 330.872

Rectangle

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



72, 84.100, 139.700



72, 84.100, 189.700



72, 84.100, 319.700



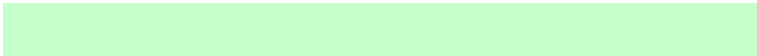
72, 84.100, 9.700

Sweetspot

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



72, 84.100, 139.701



95, 33.135, 145.375



78, 71.081, 108.047



50, 22.266, 145.150



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 84.100, 139.701



88, 112.932, 137.676



73, 56.270, 159.268



42, 7.091, 146.322



59, 85.048, 136.837



12, 27.497, 144.373

Inverse Universe

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



51, 81.420, 330.872



60, 105.821, 331.583



48, 61.879, 359.611



40, 7.105, 327.379



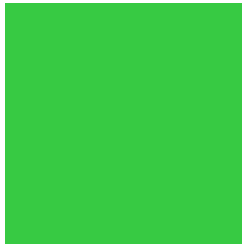
38, 78.260, 331.973



5, 27.082, 330.498

Previews

White Background



This preview shows how the CIE LCh color 72, 84.100, 139.700 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 72, 84.100, 139.700 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 72, 84.100, 139.700

Background



This preview shows how black text looks on a background with the CIELCh color 72, 84.100, 139.700.

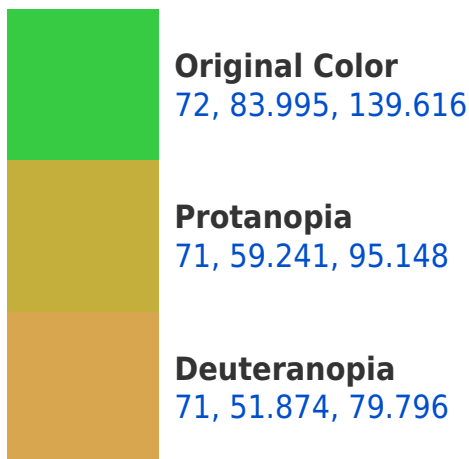


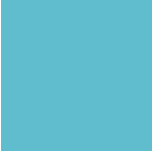
This preview shows how white text looks on a background with the CIELCh color 72, 84.100, 139.700.

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
72, 28.446, 215.496

Trichromacy



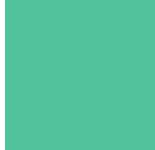
Original Color
72, 83.995, 139.616



Protanomaly
70, 63.722, 119.664



Deuteranomaly
69, 54.543, 114.808



Tritanomaly
71, 42.667, 166.295

Monochromacy



Original Color
72, 83.995, 139.616



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 34.405, 144.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 84.100, 139.700 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(55, 202, 67)` looks like.

```
.text, #text, p{  
    color:rgb(55, 202, 67)  
}
```

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(55, 202, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 202, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 84.100, 139.700 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(55, 202, 67) }
```

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

```
.border{ border-color:rgb(55, 202, 67) }
```

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

Here you see how a box with a 4 pixel rgb(55, 202, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 202, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 202, 67);  
box-shadow:4px 4px 4px 4px rgb(55, 202,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 84.100, 139.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 202, 67) }
```

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

```
.background{ background-color: rgb(55, 202,  
67) }
```

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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