

Converting Colors

CIELCh(72, 86.683, 138.033)

Have a look what the booklet for
CIELCh(72, 86.683, 138.033)
contains.

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Color

CIELCh(72, 86.543, 137.985)

Conversions

Conversions Part 1

Format	Color
Hex	3BCA3A
RGB	59, 202, 58
RGB Percent	23%, 79%, 23%
CMY	0.7703, 0.2062, 0.7709
CMYK	0.71, 0.00, 0.71, 0.21
HSL	120°, 58%, 51%
HSV	120°, 71%, 79%
XYZ	23.7688, 43.6590, 11.2321
YIQ	142.8270, -39.0040, -75.1000

Conversions

Conversions Part 2

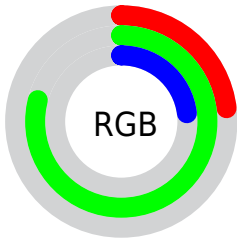
Format	Color
RYB	58, 202, 201
Decimal	3918394
CIELab	72.00, -64.30, 57.93
CIELCh	72, 86.543, 137.985
Yxy	43.6590, 0.3022, 0.5550
Android (android.graphics.Color)	4282108474 (0xFF3BCA3A)
YUV	142.8270, -41.8197, -73.5163
Hunter-Lab	66.0750, -51.4203, 36.1738

Details

The CIELCh color **72, 86.543, 137.985** 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 **52, 84.961, 327.762**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 83.859, 137.902**, and **52, 79.049, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 93.783, 137.021**, and if you desaturate by 10%, it is **73, 77.154, 139.096**.

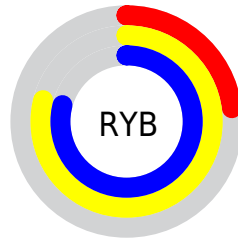
Distribution



Red (23%)

Green (79%)

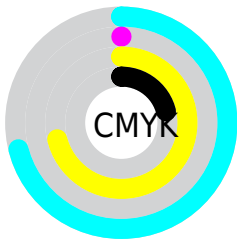
Blue (23%)



Red (23%)

Yellow (79%)

Blue (79%)

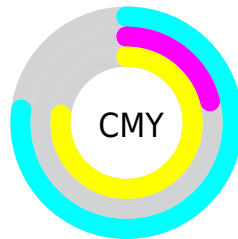


Cyan (71%)

Magenta (0%)

Yellow (71%)

Black (21%)



Cyan (77%)


Magenta (21%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 86.543, 137.985 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, 86.543, 137.985 by changing the saturation by 10% instead.


 72, 86.543,
137.985


 72, 86.543,
137.985


 100, 86.543,
137.985

 62, 86.543,
137.985


 92, 86.543,
137.985

 52, 86.543,
137.985

 42, 86.543,
137.985

 32, 86.543,
137.985

 22, 86.543,
137.985

 12, 86.543,
137.985

 2, 86.543, 137.985

■ 0, 86.543, 137.985

■ 72, 86.543,
137.985

■ 72, 86.543,
137.985

■ 72, 93.783,
137.021

■ 73, 77.154,
139.096

■ 71, 98.435,
136.348

■ 74, 66.151,
140.222

■ 71, 100.643,
136.012

■ 75, 54.027,
141.279

■ 76, 41.199,
142.227

■ 78, 28.003,
143.054

■ 79, 14.701,
143.769

■ 81, 1.486, 144.525

■ 83, 11.502,
324.834

■ 86, 24.173,
325.274

Harmonies

Complementary

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



72, 86.543, 137.985



52, 84.961, 327.762

Rectangle

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



72, 86.543, 137.985



72, 86.543, 187.985



72, 86.543, 317.985



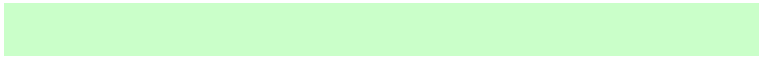
72, 86.543, 7.985

Sweetspot

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



72, 86.543, 137.986



95, 33.553, 143.043



79, 68.694, 103.024



50, 22.714, 142.823



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, 86.543, 137.986



88, 114.786, 136.640



73, 60.742, 154.174



42, 7.524, 143.883



59, 86.756, 136.011



12, 28.679, 142.892

Inverse Universe

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



52, 84.961, 327.762



62, 111.439, 328.071



49, 62.945, 351.758



40, 7.536, 324.904



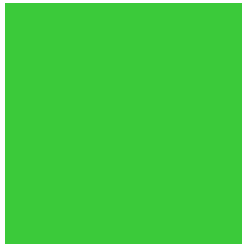
39, 83.715, 328.189



5, 29.032, 327.456

Previews

White Background



This preview shows how the CIELCh color 72, 86.543, 137.985 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, 86.543, 137.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

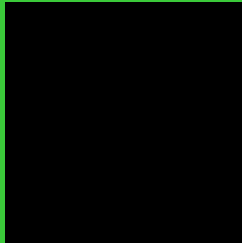
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 86.543, 137.985

Background



This preview shows how black text looks on a background with the CIELCh color 72, 86.543, 137.985.



This preview shows how white text looks on a background with the CIELCh color 72, 86.543, 137.985.

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

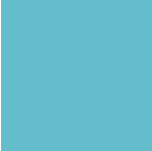
72, 86.434, 137.895

Protanopia

71, 62.645, 95.270

Deuteranopia

71, 55.124, 80.407



Tritanopia
72, 27.765, 214.786

Trichromacy



Original Color
72, 86.434, 137.895



Protanomaly
70, 66.913, 118.316



Deuteranomaly
69, 57.818, 113.107



Tritanomaly
71, 43.499, 163.588

Monochromacy



Original Color
72, 86.434, 137.895



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 35.986, 142.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 86.543, 137.985 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(59, 202, 58)` looks like.

```
.text, #text, p{  
    color:rgb(59, 202, 58)  
}
```

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(59, 202, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 202, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 86.543, 137.985 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(59, 202, 58) }
```

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

```
.border{ border-color:rgb(59, 202, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 202, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 202, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 202, 58);  
box-shadow:4px 4px 4px 4px rgb(59, 202,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 86.543, 137.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 202, 58) }
```

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

```
.background{ background-color: rgb(59, 202,  
58) }
```

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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