

Converting Colors

CIELCh(70, 87.019, 137.416)

Have a look what the booklet for
CIELCh(70, 87.019, 137.416)
contains.

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Color

CIELCh(70, 87.157, 137.407)

Conversions

Conversions Part 1

Format	Color
Hex	34C532
RGB	52, 197, 50
RGB Percent	20%, 77%, 20%
CMY	0.7941, 0.2288, 0.8053
CMYK	0.73, 0.00, 0.75, 0.23
HSL	119°, 60%, 48%
HSV	119°, 75%, 77%
XYZ	21.8994, 40.7494, 9.6887
YIQ	136.8870, -39.2330, -76.4570

Conversions

Conversions Part 2

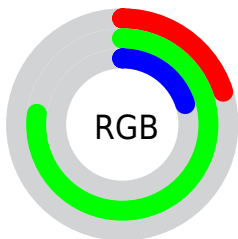
Format	Color
RYB	50, 197, 195
Decimal	3458354
CIELab	70.00, -64.16, 58.99
CIELCh	70, 87.157, 137.407
Yxy	40.7494, 0.3027, 0.5633
Android (android.graphics.Color)	4281648434 (0xFF34C532)
YUV	136.8870, -42.8353, -74.4459
Hunter-Lab	63.8353, -50.4753, 35.6858

Details

The CIELCh color **70, 87.157, 137.407** 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 **49, 85.515, 327.247**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 87.217, 137.472**, and **51, 77.464, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 93.465, 136.602**, and if you desaturate by 10%, it is **71, 78.612, 138.418**.

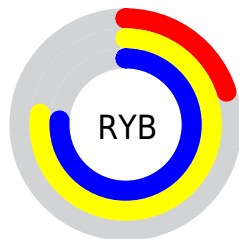
Distribution



Red (20%)

Green (77%)

Blue (20%)



Red (20%)

Yellow (77%)

Blue (76%)

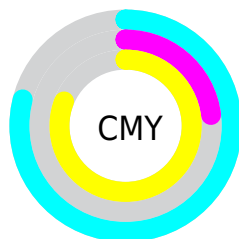


Cyan (73%)

Magenta (0%)

Yellow (75%)

Black (23%)



Cyan (79%)


Magenta (23%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 87.157, 137.407 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 70, 87.157, 137.407 by changing the saturation by 10% instead.


 70, 87.157,
137.407

 70, 87.157,
137.407


 100, 87.157,
137.407

 60, 87.157,
137.407

 90, 87.157,
137.407

 50, 87.157,
137.407

 40, 87.157,
137.407

 30, 87.157,
137.407

 20, 87.157,
137.407

 10, 87.157,
137.407

 0, 87.157, 137.407

■ 70, 87.157,
137.407

■ 70, 87.157,
137.407

■ 70, 93.465,
136.602

■ 71, 78.612,
138.418

■ 69, 97.188,
136.127

■ 71, 68.345,
139.494

■ 69, 98.404,
135.942

■ 72, 56.857,
140.536

■ 74, 44.576,
141.489

■ 75, 31.847,
142.330

■ 77, 18.940,
143.061

■ 78, 6.060, 143.707

■ 80, 6.645, 324.153

■ 83, 19.075,
324.622

Harmonies

Complementary

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



70, 87.157, 137.407



49, 85.515, 327.247

Rectangle

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



70, 87.157, 137.407



70, 87.157, 187.407



70, 87.157, 317.407



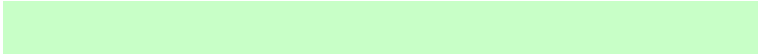
70, 87.157, 7.407

Sweetspot

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



70, 87.157, 137.408



95, 34.945, 142.516



76, 68.622, 101.910



50, 23.482, 142.304



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 87.157, 137.408



88, 117.013, 136.245



71, 62.610, 152.718



41, 7.324, 143.413



58, 85.665, 135.923



11, 26.453, 143.227

Inverse Universe

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



49, 85.515, 327.247



60, 113.482, 327.453



46, 63.903, 351.372



39, 7.338, 324.405



38, 82.829, 327.475



4, 26.524, 326.255

Previews

White Background



This preview shows how the CIELCh color 70, 87.157, 137.407 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 70, 87.157, 137.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

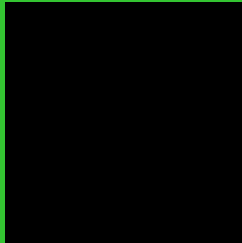
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 87.157, 137.407

Background



This preview shows how black text looks on a background with the CIELCh color 70, 87.157, 137.407.



This preview shows how white text looks on a background with the CIELCh color 70, 87.157, 137.407.

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

70, 87.259, 137.490

Protanopia

69, 63.522, 95.103

Deuteranopia

69, 56.342, 80.965



Tritanopia
70, 27.481, 215.062

Trichromacy



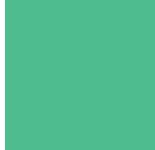
Original Color
70, 87.259, 137.490



Protanomaly
68, 68.119, 117.930



Deuteranomaly
68, 59.133, 113.169



Tritanomaly
69, 43.717, 162.634

Monochromacy



Original Color
70, 87.259, 137.490



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 36.670, 141.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 87.157, 137.407 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(52, 197, 50)` looks like.

```
.text, #text, p{  
    color:rgb(52, 197, 50)  
}
```

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(52, 197, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 197, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 87.157, 137.407 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(52, 197, 50) }
```

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

```
.border{ border-color:rgb(52, 197, 50) }
```

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

Here you see how a box with a 4 pixel rgb(52, 197, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 197, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 197, 50);  
box-shadow:4px 4px 4px 4px rgb(52, 197,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 87.157, 137.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 197, 50) }
```

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

```
.background{ background-color: rgb(52, 197,  
50) }
```

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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