

Converting Colors

CIELCh(72, 83.790, 133.706)

Have a look what the booklet for
CIELCh(72, 83.790, 133.706)
contains.

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Color

CIELCh(72, 83.648, 133.764)

Conversions

Conversions Part 1

Format	Color
Hex	57C834
RGB	87, 200, 52
RGB Percent	34%, 78%, 20%
CMY	0.6582, 0.2151, 0.7955
CMYK	0.56, 0.00, 0.74, 0.22
HSL	106°, 59%, 49%
HSV	106°, 74%, 78%
XYZ	25.2567, 43.6590, 10.3629
YIQ	149.3410, -19.8400, -69.9840

Conversions

Conversions Part 2

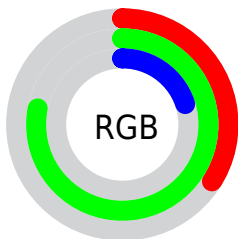
Format	Color
RYB	52, 200, 165
Decimal	5752884
CIELab	72.00, -57.86, 60.41
CIELCh	72, 83.648, 133.764
Yxy	43.6590, 0.3186, 0.5507
Android (android.graphics.Color)	4283942964 (0xFF57C834)
YUV	149.3410, -47.9891, -54.6731
Hunter-Lab	66.0750, -47.4009, 36.9537

Details

The CIELCh color **72, 83.648, 133.764** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **45, 85.804, 320.219**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 82.303, 133.709**, and **52, 78.653, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **71, 90.727, 133.663**, and if you desaturate by 10%, it is **73, 74.676, 134.158**.

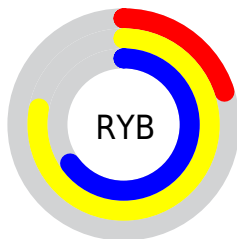
Distribution



Red (34%)

Green (78%)

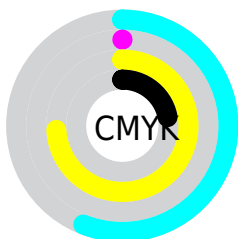
Blue (20%)



Red (20%)

Yellow (78%)

Blue (65%)

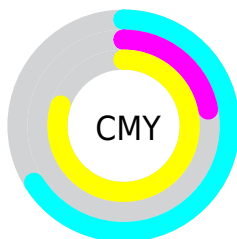


Cyan (56%)

Magenta (0%)

Yellow (74%)

Black (22%)



Cyan (66%)


Magenta (22%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 83.648, 133.764 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, 83.648, 133.764 by changing the saturation by 10% instead.

 72, 83.648,
133.764

 72, 83.648,
133.764


 100, 83.648,
133.764

 62, 83.648,
133.764


 92, 83.648,
133.764

 52, 83.648,
133.764

 42, 83.648,
133.764

 32, 83.648,
133.764

 22, 83.648,
133.764

 12, 83.648,
133.764

 2, 83.648, 133.764

■ 0, 83.648, 133.764

■ 72, 83.648,
133.764

■ 72, 83.648,
133.764

■ 71, 90.727,
133.663

■ 73, 74.676,
134.158

■ 71, 95.490,
133.959

■ 74, 64.332,
134.716

■ 71, 97.464,
134.237

■ 75, 53.077,
135.337

■ 76, 41.264,
135.959

■ 77, 29.154,
136.545

■ 78, 16.939,
137.080

■ 80, 4.758, 137.581

■ 82, 7.291, 317.924

■ 84, 19.139,
318.298

Harmonies

Complementary

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



72, 83.648, 133.764



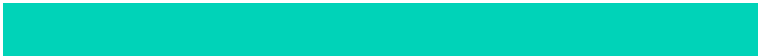
45, 85.804, 320.219

Rectangle

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



72, 83.648, 133.764



72, 83.648, 183.764



72, 83.648, 313.764



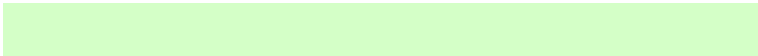
72, 83.648, 3.764

Sweetspot

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



72, 83.648, 133.765



96, 32.609, 136.635



69, 59.531, 87.696



51, 21.913, 136.481



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, 83.648, 133.765



89, 112.841, 133.801



71, 75.480, 144.201



41, 6.841, 137.308



59, 83.592, 134.077



11, 24.894, 138.845

Inverse Universe

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



45, 85.804, 320.219



52, 114.904, 319.885



49, 72.810, 338.128



39, 6.886, 318.092



32, 84.783, 319.519



3, 24.098, 316.758

Previews

White Background



This preview shows how the CIELCh color 72, 83.648, 133.764 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, 83.648, 133.764 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, 83.648, 133.764

Background



This preview shows how black text looks on a background with the CIELCh color 72, 83.648, 133.764.

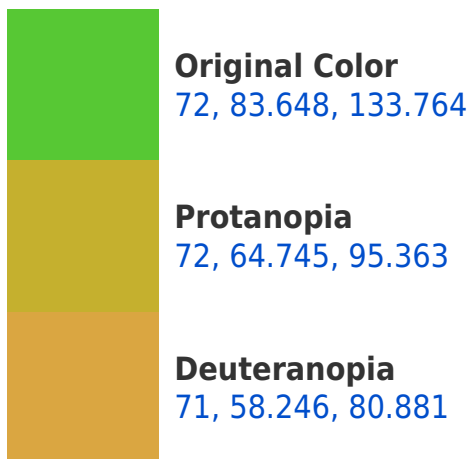


This preview shows how white text looks on a background with the CIELCh color 72, 83.648, 133.764.

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, 23.443, 218.409

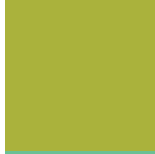
Trichromacy



Original Color
72, 83.648, 133.764



Protanomaly
71, 67.848, 114.019



Deuteranomaly
70, 59.670, 107.606



Tritanomaly
71, 38.843, 158.528

Monochromacy



Original Color
72, 83.648, 133.764



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 33.867, 135.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 83.648, 133.764 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(87, 200, 52)` looks like.

```
.text, #text, p{  
    color:rgb(87, 200, 52)  
}
```

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(87, 200, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 200, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 83.648, 133.764 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(87, 200, 52) }
```

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

```
.border{ border-color:rgb(87, 200, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 200, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 200, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 200, 52);  
box-shadow:4px 4px 4px 4px rgb(87, 200,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 83.648, 133.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 200, 52) }
```

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

```
.background{ background-color: rgb(87, 200,  
52) }
```

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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