

Converting Colors

CIELCh(73, 87.796, 142.458)

Have a look what the booklet for
CIELCh(73, 87.796, 142.458)
contains.

CIELCh(73, 87.709, 142.480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(73, 87.709, 142.480)

Conversions

Conversions Part 1

Format	Color
Hex	04CF48
RGB	4, 207, 72
RGB Percent	2%, 81%, 28%
CMY	0.9862, 0.1878, 0.7173
CMYK	0.98, 0.00, 0.65, 0.19
HSL	140°, 97%, 41%
HSV	140°, 98%, 81%
XYZ	23.5530, 45.1644, 13.6227
YIQ	130.9130, -77.6530, -85.0210

Conversions

Conversions Part 2

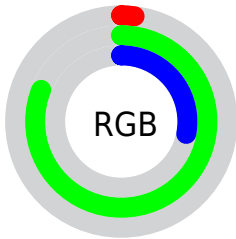
Format	Color
RYB	4, 156, 207
Decimal	315208
CIELab	73.00, -69.57, 53.42
CIELCh	73, 87.709, 142.480
Yxy	45.1644, 0.2860, 0.5485
Android (android.graphics.Color)	4278505288 (0xFF04CF48)
YUV	130.9130, -29.0441, -111.3027
Hunter-Lab	67.2044, -55.0493, 35.0247

Details

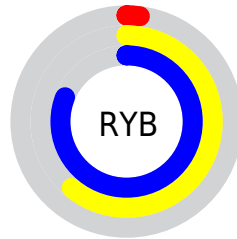
The CIELCh color **73, 87.709, 142.480** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **46, 76.973, 347.507**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 82.380, 143.072**, and **54, 79.952, 136.561** is the 20% darker color. If you saturate the color by 10%, you get **73, 88.572, 142.158**, and if you desaturate by 10%, it is **73, 82.219, 144.507**.

Distribution



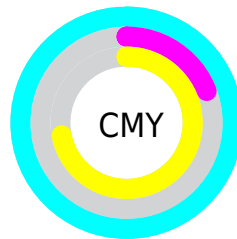
- Red (2%)
- Green (81%)
- Blue (28%)



- Red (2%)
- Yellow (61%)
- Blue (81%)



- Cyan (98%)
- Magenta (0%)
- Yellow (65%)
- Black (19%)



- Cyan (99%)
- Magenta (19%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 87.709, 142.480 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 73, 87.709, 142.480 by changing the saturation by 10% instead.

 73, 87.709,
142.480

 73, 87.709,
142.480

 100, 87.709,
142.480


 63, 87.709,
142.480

 93, 87.709,
142.480

 53, 87.709,
142.480

 43, 87.709,
142.480

 33, 87.709,
142.480

 23, 87.709,
142.480

 13, 87.709,
142.480

 3, 87.709, 142.480

■ 0, 87.709, 142.480

■ 73, 87.709,
142.480

■ 73, 87.709,
142.480

■ 73, 88.572,
142.158

■ 73, 82.219,
144.507

■ 74, 75.671,
146.452

■ 74, 68.068,
148.232

■ 75, 59.518,
149.820

■ 76, 50.182,
151.217

■ 77, 40.250,
152.436

■ 78, 29.918,
153.498

■ 80, 19.368,
154.428

■ 82, 8.756, 155.258

Harmonies

Complementary

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



73, 87.709, 142.480



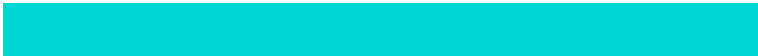
46, 76.973, 347.507

Rectangle

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



73, 87.709, 142.480



73, 87.709, 192.480



73, 87.709, 322.480



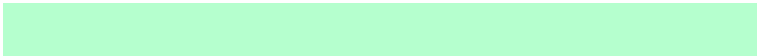
73, 87.709, 12.480

Sweetspot

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



73, 87.709, 142.480



94, 36.283, 153.394



76, 87.876, 121.396



50, 24.843, 152.946



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 87.709, 142.480



88, 104.245, 141.892



75, 50.753, 174.496



43, 6.036, 155.169



60, 75.344, 142.484



13, 25.462, 148.628

Inverse Universe

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



46, 76.973, 347.507



56, 89.924, 348.218



43, 80.566, 31.486



41, 6.073, 336.444



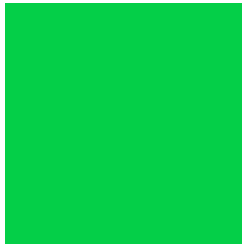
37, 66.214, 347.510



5, 24.050, 343.147

Previews

White Background



This preview shows how the CIELCh color 73, 87.709, 142.480 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 73, 87.709, 142.480 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 73, 87.709, 142.480

Background



This preview shows how black text looks on a background with the CIELCh color 73, 87.709, 142.480.

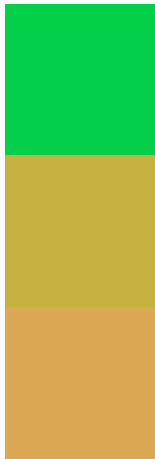


This preview shows how white text looks on a background with the CIELCh color 73, 87.709, 142.480.

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
73, 87.683, 142.462

Protanopia
72, 58.751, 95.670

Deuteranopia
72, 50.855, 79.591

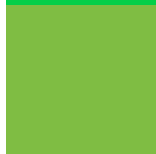


Tritanopia
73, 31.741, 212.261

Trichromacy



Original Color
73, 87.683, 142.462



Protanomaly
70, 66.765, 126.638



Deuteranomaly
70, 56.210, 123.129



Tritanomaly
72, 47.958, 168.865

Monochromacy



Original Color
73, 87.683, 142.462



Achromatopsia
55, 0.007, 296.813



Achromatomaly
60, 39.099, 151.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 87.709, 142.480 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(4, 207, 72)` looks like.

```
.text, #text, p{  
    color:rgb(4, 207, 72)  
}
```

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(4, 207, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 207, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 87.709, 142.480 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(4, 207, 72) }
```

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

```
.border{ border-color:rgb(4, 207, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 207, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 207, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 207, 72);  
box-shadow:4px 4px 4px 4px rgb(4, 207, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 73, 87.709, 142.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 207, 72) }
```

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

```
.background{ background-color: rgb(4, 207,  
72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor