

Converting Colors

CIELCh(68, 72.172, 138.557)

Have a look what the booklet for
CIELCh(68, 72.172, 138.557)
contains.

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Color

CIELCh(68, 72.172, 138.557)

Conversions

Conversions Part 1

Format	Color
Hex	4DBC49
RGB	77, 188, 73
RGB Percent	30%, 74%, 29%
CMY	0.6985, 0.2632, 0.7141
CMYK	0.59, 0.00, 0.61, 0.26
HSL	118°, 46%, 51%
HSV	118°, 61%, 74%
XYZ	22.2098, 37.9720, 12.4444
YIQ	141.7010, -29.2410, -59.2970

Conversions

Conversions Part 2

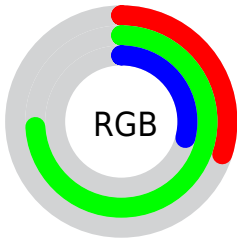
Format	Color
RYB	73, 188, 184
Decimal	5094473
CIELab	68.00, -54.10, 47.77
CIElCh	68, 72.172, 138.557
Yxy	37.9720, 0.3058, 0.5228
Android (android.graphics.Color)	4283284553 (0xFF4DBC49)
YUV	141.7010, -33.8696, -56.7428
Hunter-Lab	61.6215, -43.5021, 31.1614

Details

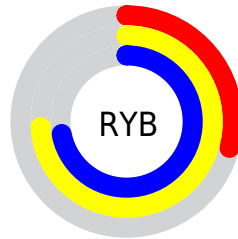
The CIELCh color **68, 72.172, 138.557** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **50, 71.647, 326.392**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 72.324, 138.514**, and **48, 71.023, 137.640** is the 20% darker color. If you saturate the color by 10%, you get **67, 81.113, 137.560**, and if you desaturate by 10%, it is **69, 61.792, 139.586**.

Distribution



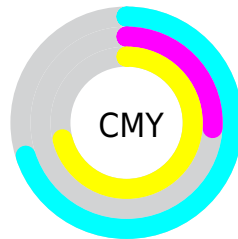
- Red (30%)
- Green (74%)
- Blue (29%)



- Red (29%)
- Yellow (74%)
- Blue (72%)



- Cyan (59%)
- Magenta (0%)
- Yellow (61%)
- Black (26%)




- Cyan (70%)
- Magenta (26%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 72.172, 138.557 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 68, 72.172, 138.557 by changing the saturation by 10% instead.

 68, 72.172,
138.557


 68, 72.172,
138.557


 100, 72.172,
138.557


 58, 72.172,
138.557


 88, 72.172,
138.557

 48, 72.172,
138.557

 98, 72.172,
138.557

 38, 72.172,
138.557

 28, 72.172,
138.557

 18, 72.172,
138.557

 8, 72.172, 138.557

 0, 72.172, 138.557

■ 68, 72.172,
138.557

■ 68, 72.172,
138.557

■ 67, 81.113,
137.560

■ 69, 61.792,
139.586

■ 67, 88.111,
136.718

■ 70, 50.424,
140.564

■ 67, 92.735,
136.169

■ 71, 38.442,
141.448

■ 66, 95.027,
135.876

■ 73, 26.145,
142.226

■ 74, 13.760,
142.903

■ 76, 1.457, 143.619

■ 78, 10.643,
323.917

■ 80, 22.459,
324.338

■ 82, 33.941,
324.689

Harmonies

Complementary

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



68, 72.172, 138.557



50, 71.647, 326.392

Rectangle

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



68, 72.172, 138.557



68, 72.172, 188.557



68, 72.172, 318.557



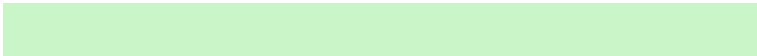
68, 72.172, 8.557

Sweetspot

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



68, 72.172, 138.558



93, 27.501, 142.433



73, 55.977, 102.095



49, 19.115, 142.226



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 72.172, 138.558



85, 101.771, 137.285



69, 52.168, 154.307



39, 6.978, 143.018



57, 83.595, 135.843



9, 21.496, 143.741

Inverse Universe

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



50, 71.647, 326.392



61, 100.113, 326.729



49, 54.000, 347.626



37, 6.993, 323.983



36, 80.981, 326.888



3, 21.096, 323.946

Previews

White Background



This preview shows how the CIE LCh color 68, 72.172, 138.557 looks on a white background.

Color Contrast Check

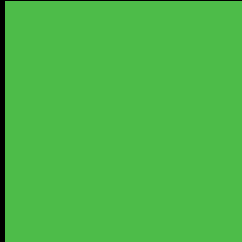
Large Text (above 18pt) WCAG AA × Fail

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 68, 72.172, 138.557 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 68, 72.172, 138.557

Background



This preview shows how black text looks on a background with the CIELCh color 68, 72.172, 138.557.



This preview shows how white text looks on a background with the CIELCh color 68, 72.172, 138.557.

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](#).

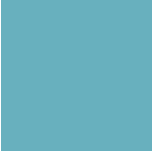
Dichromacy



Original Color
68, 72.172, 138.557

Protanopia
68, 52.391, 95.836

Deuteranopia
67, 45.766, 79.571



Tritanopia
68, 23.569, 217.017

Trichromacy



Original Color
68, 72.172, 138.557



Protanomaly
67, 55.302, 117.716



Deuteranomaly
66, 47.243, 111.076



Tritanomaly
67, 35.090, 165.344

Monochromacy



Original Color
68, 72.172, 138.557



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 28.536, 142.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 72.172, 138.557 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(77, 188, 73)` looks like.

```
.text, #text, p{  
    color:rgb(77, 188, 73)  
}
```

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(77, 188, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 188, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 72.172, 138.557 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(77, 188, 73) }
```

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

```
.border{ border-color:rgb(77, 188, 73) }
```

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

Here you see how a box with a 4 pixel rgb(77, 188, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 188, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 188, 73);  
box-shadow:4px 4px 4px 4px rgb(77, 188,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 72.172, 138.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 188, 73) }
```

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

```
.background{ background-color: rgb(77, 188,  
73) }
```

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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