

Converting Colors

CIELCh(80, 72.244, 148.280)

Have a look what the booklet for
CIELCh(80, 72.244, 148.280)
contains.

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Color

CIELCh(80, 72.172, 148.249)

Conversions

Conversions Part 1

Format	Color
Hex	49E17C
RGB	73, 225, 124
RGB Percent	29%, 88%, 49%
CMY	0.7141, 0.1179, 0.5140
CMYK	0.68, 0.00, 0.45, 0.12
HSL	140°, 72%, 58%
HSV	140°, 68%, 88%
XYZ	33.2827, 56.6813, 28.2352
YIQ	168.0380, -58.1710, -63.6350

Conversions

Conversions Part 2

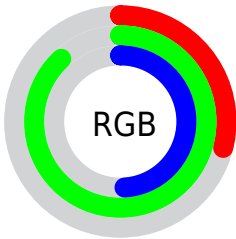
Format	Color
RYB	73, 187, 225
Decimal	4841852
CIELab	80.00, -61.37, 37.98
CIELCh	80, 72.172, 148.249
Yxy	56.6813, 0.2816, 0.4795
Android (android.graphics.Color)	4283031932 (0xFF49E17C)
YUV	168.0380, -21.7107, -83.3483
Hunter-Lab	75.2870, -52.8414, 30.4651

Details

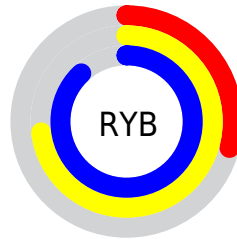
The CIELCh color **80, 72.172, 148.249** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **56, 71.549, 341.980**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 56.357, 151.660**, and **60, 69.220, 146.260** is the 20% darker color. If you saturate the color by 10%, you get **79, 80.349, 146.468**, and if you desaturate by 10%, it is **81, 62.983, 149.837**.

Distribution



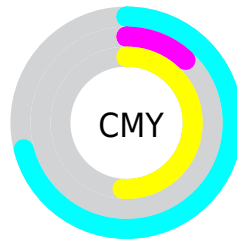
- Red (29%)
- Green (88%)
- Blue (49%)



- Red (29%)
- Yellow (73%)
- Blue (88%)



- Cyan (68%)
- Magenta (0%)
- Yellow (45%)
- Black (12%)




- Cyan (71%)
- Magenta (12%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 72.172, 148.249 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 80, 72.172, 148.249 by changing the saturation by 10% instead.


 80, 72.172,
148.249

 80, 72.172,
148.249


 100, 72.172,
148.249


 70, 72.172,
148.249

 60, 72.172,
148.249

 50, 72.172,
148.249

 40, 72.172,
148.249

 30, 72.172,
148.249

 20, 72.172,
148.249

 10, 72.172,

148.249

■ 0, 72.172, 148.249

■ 80, 72.172,
148.249

■ 80, 72.172,
148.249

■ 79, 80.349,
146.468

■ 81, 62.983,
149.837

■ 79, 87.392,
144.518

■ 82, 52.955,
151.232

■ 79, 93.274,
142.473

■ 83, 42.297,
152.448


■ 79, 94.570,
142.006


■ 85, 31.220,
153.507

■ 86, 19.918,
154.433

 88, 8.560, 155.263

 90, 2.721, 335.786

 92, 13.824,
336.527

 93, 18.803,
325.077

Harmonies

Complementary

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



80, 72.172, 148.249



56, 71.549, 341.980

Rectangle

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



80, 72.172, 148.249



80, 72.172, 198.249



80, 72.172, 328.249



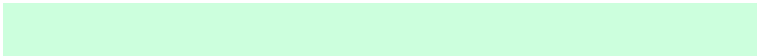
80, 72.172, 18.249

Sweetspot

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



80, 72.173, 148.249



96, 25.087, 154.207



84, 76.074, 119.865



51, 17.114, 153.949



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 72.173, 148.249



89, 91.574, 145.710



82, 45.486, 179.007



46, 6.403, 155.112



63, 78.068, 142.368



16, 29.193, 146.668

Inverse Universe

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



56, 71.549, 341.980



59, 87.079, 344.099



54, 63.347, 17.762



44, 6.442, 336.398



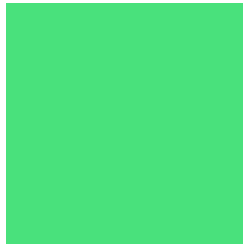
39, 68.430, 347.505



7, 28.738, 343.502

Previews

White Background



This preview shows how the CIELCh color 80, 72.172, 148.249 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 80, 72.172, 148.249 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 80, 72.172, 148.249

Background



This preview shows how black text looks on a background with the CIELCh color 80, 72.172, 148.249.

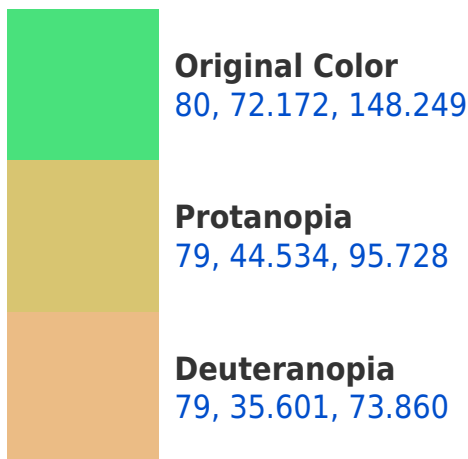


This preview shows how white text looks on a background with the CIELCh color 80, 72.172, 148.249.

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
80, 31.257, 214.459

Trichromacy



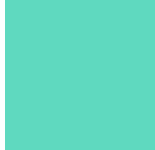
Original Color
80, 72.172, 148.249



Protanomaly
78, 49.712, 126.238



Deuteranomaly
78, 38.562, 121.852



Tritanomaly
80, 40.424, 176.401

Monochromacy



Original Color
80, 72.172, 148.249



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 29.011, 153.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 72.172, 148.249 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(73, 225, 124)` looks like.

```
.text, #text, p{  
    color:rgb(73, 225, 124)  
}
```

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(73, 225, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 225, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 72.172, 148.249 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(73, 225, 124) }
```

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

```
.border{ border-color:rgb(73, 225, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 225, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 225, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 225, 124);  
box-shadow:4px 4px 4px 4px rgb(73, 225,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 72.172, 148.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 225, 124) }
```

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

```
.background{ background-color: rgb(73, 225,  
124) }
```

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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