

Converting Colors

CIELCh(72, 72.815, 146.324)

Have a look what the booklet for
CIELCh(72, 72.815, 146.324)
contains.

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Color

CIELCh(72, 73.147, 146.172)

Conversions

Conversions Part 1

Format	Color
Hex	33CA62
RGB	51, 202, 98
RGB Percent	20%, 79%, 38%
CMY	0.8019, 0.2091, 0.6168
CMYK	0.75, 0.00, 0.52, 0.21
HSL	139°, 60%, 49%
HSV	139°, 75%, 79%
XYZ	24.5780, 43.6590, 18.6155
YIQ	144.9950, -56.6120, -64.3560

Conversions

Conversions Part 2

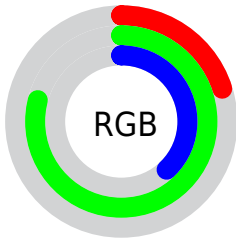
Format	Color
RYB	51, 166, 202
Decimal	3394146
CIELab	72.00, -60.76, 40.72
CIELCh	72, 73.147, 146.172
Yxy	43.6590, 0.2830, 0.5027
Android (android.graphics.Color)	4281584226 (0xFF33CA62)
YUV	144.9950, -23.1685, -82.4336
Hunter-Lab	66.0750, -49.2344, 29.5485

Details

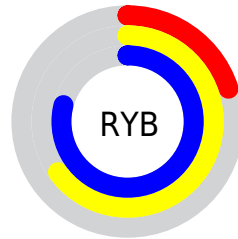
The CIELCh color **72, 73.147, 146.172** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **48, 70.939, 341.593**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 70.372, 146.717**, and **53, 67.892, 142.474** is the 20% darker color. If you saturate the color by 10%, you get **72, 80.038, 144.315**, and if you desaturate by 10%, it is **73, 65.214, 147.862**.

Distribution



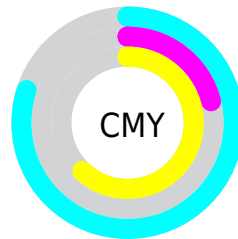
- Red (20%)
- Green (79%)
- Blue (38%)



- Red (20%)
- Yellow (65%)
- Blue (79%)



- Cyan (75%)
- Magenta (0%)
- Yellow (52%)
- Black (21%)





- Cyan (80%)
- Magenta (21%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 73.147, 146.172 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, 73.147, 146.172 by changing the saturation by 10% instead.


 72, 73.147,
146.172


 72, 73.147,
146.172


 100, 73.147,
146.172


 62, 73.147,
146.172


 92, 73.147,
146.172

 52, 73.147,
146.172

 42, 73.147,
146.172

 32, 73.147,
146.172

 22, 73.147,
146.172

 12, 73.147,
146.172

 2, 73.147, 146.172

0, 73.147, 146.172

72, 73.147,
146.172

72, 73.147,
146.172

72, 80.038,
144.315

73, 65.214,
147.862

71, 85.806,
142.347

73, 56.377,
149.365

71, 88.364,
141.394

74, 46.818,
150.683

76, 36.736,
151.831

77, 26.326,
152.831

79, 15.762,
153.706

■ 80, 5.190, 154.508

■ 82, 5.277, 335.043

■ 84, 15.553,
335.676

Harmonies

Complementary

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



72, 73.147, 146.172



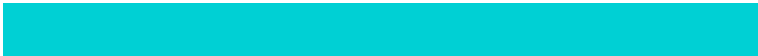
48, 70.939, 341.593

Rectangle

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



72, 73.147, 146.172



72, 73.147, 196.172



72, 73.147, 326.172



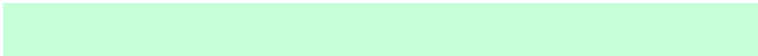
72, 73.147, 16.172

Sweetspot

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



72, 73.147, 146.172



95, 28.091, 153.073



76, 74.698, 118.429



50, 18.870, 152.821



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, 73.147, 146.172



88, 99.997, 143.084



73, 45.820, 174.975



42, 6.024, 154.151



59, 75.846, 141.698



12, 24.449, 148.897

Inverse Universe

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



48, 70.939, 341.593



57, 90.858, 344.196



46, 63.137, 17.705



40, 6.056, 335.395



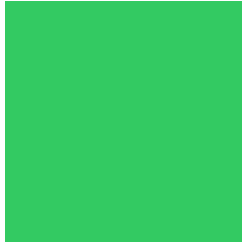
37, 66.459, 345.604



4, 22.518, 341.497

Previews

White Background



This preview shows how the CIE LCh color 72, 73.147, 146.172 looks on a white background.

Color Contrast Check

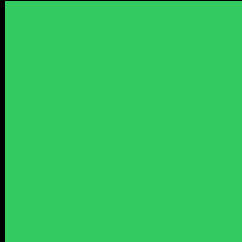
Large Text (above 18pt) WCAG AA × Fail

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, 73.147, 146.172 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, 73.147, 146.172

Background



This preview shows how black text looks on a background with the CIELCh color 72, 73.147, 146.172.



This preview shows how white text looks on a background with the CIELCh color 72, 73.147, 146.172.

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

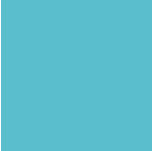
72, 73.147, 146.172

Protanopia

71, 46.129, 95.753

Deuteranopia

71, 38.309, 76.130



Tritanopia
72, 29.801, 213.428

Trichromacy



Original Color
72, 73.147, 146.172



Protanomaly
70, 52.002, 125.798



Deuteranomaly
70, 41.921, 121.641



Tritanomaly
71, 40.044, 173.858

Monochromacy



Original Color
72, 73.147, 146.172



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 29.832, 151.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 73.147, 146.172 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(51, 202, 98)` looks like.

```
.text, #text, p{  
    color:rgb(51, 202, 98)  
}
```

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(51, 202, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 202, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 73.147, 146.172 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(51, 202, 98) }
```

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

```
.border{ border-color:rgb(51, 202, 98) }
```

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

Here you see how a box with a 4 pixel rgb(51, 202, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 202, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 202, 98);  
box-shadow:4px 4px 4px 4px rgb(51, 202,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 73.147, 146.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 202, 98) }
```

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

```
.background{ background-color: rgb(51, 202,  
98) }
```

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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