

Converting Colors

CIELCh(72, 76.326, 142.345)

Have a look what the booklet for
CIELCh(72, 76.326, 142.345)
contains.

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Color

CIELCh(72, 76.223, 142.251)

Conversions

Conversions Part 1

Format	Color
Hex	3FC955
RGB	63, 201, 85
RGB Percent	25%, 79%, 33%
CMY	0.7513, 0.2105, 0.6655
CMYK	0.68, 0.00, 0.58, 0.21
HSL	130°, 56%, 52%
HSV	130°, 68%, 79%
XYZ	24.6926, 43.6590, 15.7828
YIQ	146.5140, -45.0120, -65.3320

Conversions

Conversions Part 2

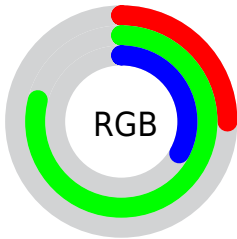
Format	Color
RYB	63, 182, 201
Decimal	4180309
CIELab	72.00, -60.27, 46.66
CIELCh	72, 76.223, 142.251
Yxy	43.6590, 0.2935, 0.5189
Android (android.graphics.Color)	4282370389 (0xFF3FC955)
YUV	146.5140, -30.3264, -73.2418
Hunter-Lab	66.0750, -48.9247, 32.0904

Details

The CIELCh color **72, 76.223, 142.251** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **51, 74.157, 333.473**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 74.098, 142.526**, and **53, 73.018, 139.326** is the 20% darker color. If you saturate the color by 10%, you get **71, 84.346, 140.744**, and if you desaturate by 10%, it is **73, 66.804, 143.666**.

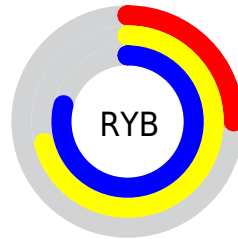
Distribution



Red (25%)

Green (79%)

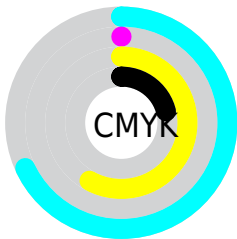
Blue (33%)



Red (25%)

Yellow (71%)

Blue (79%)

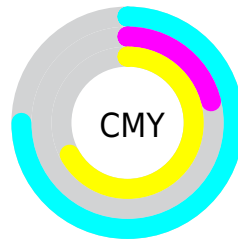


Cyan (68%)

Magenta (0%)

Yellow (58%)

Black (21%)



Cyan (75%)


Magenta (21%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 76.223, 142.251 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, 76.223, 142.251 by changing the saturation by 10% instead.


 72, 76.223,
142.251


 72, 76.223,
142.251


 100, 76.223,
142.251


 62, 76.223,
142.251


 92, 76.223,
142.251

 52, 76.223,
142.251

 42, 76.223,
142.251

 32, 76.223,
142.251

 22, 76.223,
142.251

 12, 76.223,
142.251

 2, 76.223, 142.251

0, 76.223, 142.251

72, 76.223,
142.251

72, 76.223,
142.251

71, 84.346,
140.744

73, 66.804,
143.666

71, 90.898,
139.226

74, 56.380,
144.942

71, 95.696,
137.849

75, 45.239,
146.067

71, 96.286,
137.683

76, 33.646,
147.043

78, 21.830,
147.887

79, 9.980, 148.624

■ 81, 1.761, 329.043

■ 83, 13.288,
329.723

■ 86, 24.529,
330.196

Harmonies

Complementary

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



72, 76.223, 142.251



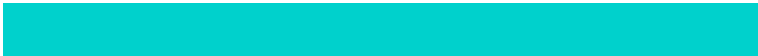
51, 74.157, 333.473

Rectangle

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



72, 76.223, 142.251



72, 76.223, 192.251



72, 76.223, 322.251



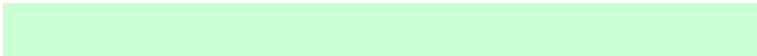
72, 76.223, 12.251

Sweetspot

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



72, 76.223, 142.251



95, 30.042, 147.664



77, 68.018, 111.512



50, 20.338, 147.430



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, 76.223, 142.251



88, 104.664, 140.034



73, 50.058, 164.298



41, 6.599, 148.562



58, 81.950, 137.905



11, 24.618, 146.457

Inverse Universe

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



51, 74.157, 333.473



60, 98.251, 334.488



49, 58.049, 3.460



39, 6.616, 329.659



37, 73.197, 335.660



4, 23.288, 333.059

Previews

White Background



This preview shows how the CIELCh color 72, 76.223, 142.251 looks on a white background.

Color Contrast Check

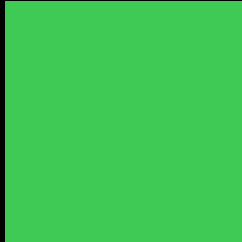
Large Text (above 18pt) WCAG AA × Fail

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, 76.223, 142.251 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, 76.223, 142.251

Background



This preview shows how black text looks on a background with the CIELCh color 72, 76.223, 142.251.



This preview shows how white text looks on a background with the CIELCh color 72, 76.223, 142.251.

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

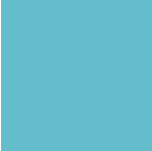
72, 76.223, 142.251

Protanopia

71, 51.820, 95.677

Deuteranopia

71, 44.362, 78.331



Tritanopia
72, 27.765, 214.786

Trichromacy



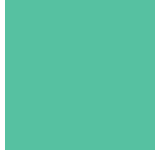
Original Color
72, 76.223, 142.251



Protanomaly
71, 56.503, 121.296



Deuteranomaly
70, 47.042, 115.946



Tritanomaly
71, 39.174, 169.907

Monochromacy



Original Color
72, 76.223, 142.251



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 30.321, 146.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 76.223, 142.251 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(63, 201, 85)` looks like.

```
.text, #text, p{  
    color:rgb(63, 201, 85)  
}
```

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(63, 201, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 201, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 76.223, 142.251 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(63, 201, 85) }
```

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

```
.border{ border-color:rgb(63, 201, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 201, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 201, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 201, 85);  
box-shadow:4px 4px 4px 4px rgb(63, 201,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 76.223, 142.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 201, 85) }
```

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

```
.background{ background-color: rgb(63, 201,  
85) }
```

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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