

Converting Colors

CIELCh(72, 63.315, 154.321)

Have a look what the booklet for
CIELCh(72, 63.315, 154.321)
contains.

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Color

CIELCh(72, 63.352, 154.319)

Conversions

Conversions Part 1

Format	Color
Hex	2AC97C
RGB	42, 201, 124
RGB Percent	16%, 79%, 49%
CMY	0.8361, 0.2122, 0.5141
CMYK	0.79, 0.00, 0.38, 0.21
HSL	151°, 66%, 48%
HSV	151°, 79%, 79%
XYZ	25.4373, 43.6590, 26.1197
YIQ	144.6810, -70.0470, -57.6550

Conversions

Conversions Part 2

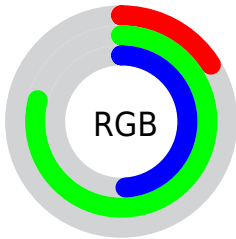
Format	Color
RYB	42, 147, 201
Decimal	2804092
CIELab	72.00, -57.09, 27.45
CIELCh	72, 63.352, 154.319
Yxy	43.6590, 0.2672, 0.4585
Android (android.graphics.Color)	4280994172 (0xFF2AC97C)
YUV	144.6810, -10.1957, -90.0512
Hunter-Lab	66.0750, -46.9130, 22.8149

Details

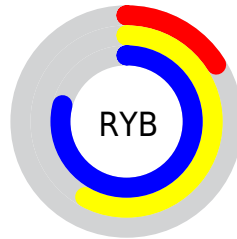
The CIELCh color **72, 63.352, 154.319** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **46, 65.774, 356.190**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 61.243, 154.906**, and **53, 57.801, 149.958** is the 20% darker color. If you saturate the color by 10%, you get **72, 68.557, 152.227**, and if you desaturate by 10%, it is **73, 57.309, 156.201**.

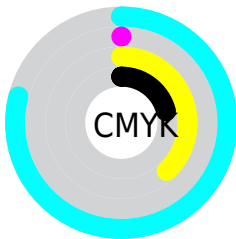
Distribution



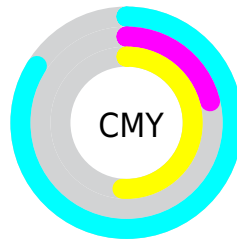
- Red (16%)
- Green (79%)
- Blue (49%)



- Red (16%)
- Yellow (58%)
- Blue (79%)



- Cyan (79%)
- Magenta (0%)
- Yellow (38%)
- Black (21%)





- Cyan (84%)
- Magenta (21%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 63.352, 154.319 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, 63.352, 154.319 by changing the saturation by 10% instead.


 72, 63.352,
154.319


 72, 63.352,
154.319


 100, 63.352,
154.319


 62, 63.352,
154.319


 92, 63.352,
154.319

 52, 63.352,
154.319

 42, 63.352,
154.319

 32, 63.352,
154.319

 22, 63.352,
154.319

 12, 63.352,
154.319

 2, 63.352, 154.319

0, 63.352, 154.319

72, 63.352,
154.319

72, 63.352,
154.319

72, 68.557,
152.227

73, 57.309,
156.201

71, 73.032,
149.995

73, 50.455,
157.872

71, 73.384,
149.821

74, 42.887,
159.349

75, 34.737,
160.654

76, 26.158,
161.812

78, 17.298,
162.849

■ 79, 8.295, 163.799

■ 81, 0.738, 344.026

■ 83, 9.708, 345.308

Harmonies

Complementary

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



72, 63.352, 154.319



46, 65.774, 356.190

Rectangle

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



72, 63.352, 154.319



72, 63.352, 204.319



72, 63.352, 334.319



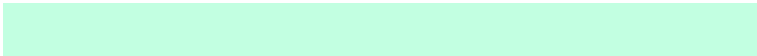
72, 63.352, 24.319

Sweetspot

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



72, 63.352, 154.319



95, 26.192, 162.328



74, 81.606, 126.459



50, 17.949, 161.946



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 63.352, 154.319



89, 85.916, 150.620



74, 39.737, 196.533



41, 5.078, 163.782



59, 62.417, 150.198



11, 19.797, 156.628

Inverse Universe

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



46, 65.774, 356.190



55, 83.920, 2.300



45, 72.840, 33.574



39, 5.147, 345.267



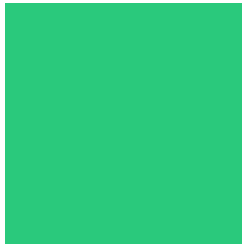
35, 60.594, 3.073



4, 17.705, 353.956

Previews

White Background



This preview shows how the CIELCh color 72, 63.352, 154.319 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, 63.352, 154.319 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, 63.352, 154.319

Background



This preview shows how black text looks on a background with the CIELCh color 72, 63.352, 154.319.

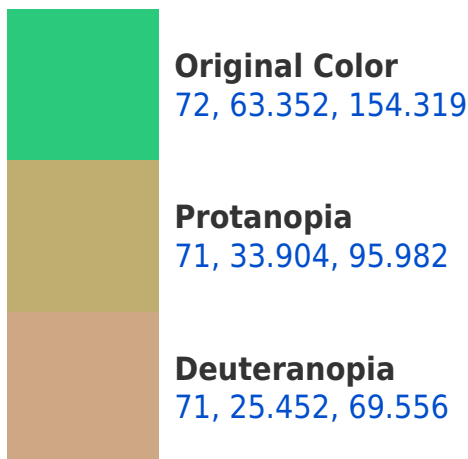


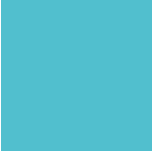
This preview shows how white text looks on a background with the CIELCh color 72, 63.352, 154.319.

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
72, 31.656, 212.332

Trichromacy



Original Color
72, 63.352, 154.319



Protanomaly
70, 40.709, 134.455



Deuteranomaly
70, 30.734, 133.371



Tritanomaly
72, 39.278, 181.040

Monochromacy



Original Color
72, 63.352, 154.319



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 26.668, 161.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 63.352, 154.319 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(42, 201, 124)` looks like.

```
.text, #text, p{  
    color:rgb(42, 201, 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(42, 201, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 201, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 63.352, 154.319 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(42, 201, 124) }
```

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

```
.border{ border-color:rgb(42, 201, 124) }
```

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

Here you see how a box with a 4 pixel rgb(42, 201, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 201, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 201, 124);  
box-shadow:4px 4px 4px 4px rgb(42, 201,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 63.352, 154.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 201, 124) }
```

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

```
.background{ background-color: rgb(42, 201,  
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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