

Converting Colors

CIELCh(75, 56.111, 158.918)

Have a look what the booklet for
CIELCh(75, 56.111, 158.918)
contains.

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Color

CIELCh(75, 56.023, 159.115)

Conversions

Conversions Part 1

Format	Color
Hex	40D092
RGB	64, 208, 146
RGB Percent	25%, 82%, 57%
CMY	0.7490, 0.1843, 0.4274
CMYK	0.69, 0.00, 0.30, 0.18
HSL	154°, 61%, 53%
HSV	154°, 69%, 82%
XYZ	29.8592, 48.2781, 34.9394
YIQ	157.8760, -65.9220, -49.8100

Conversions

Conversions Part 2

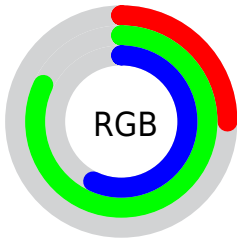
Format	Color
RYB	64, 156, 208
Decimal	4247698
CIELab	75.00, -52.34, 19.97
CIELCh	75, 56.023, 159.115
Yxy	48.2781, 0.2641, 0.4269
Android (android.graphics.Color)	4282437778 (0xFF40D092)
YUV	157.8760, -5.8549, -82.3293
Hunter-Lab	69.4824, -44.8860, 18.8236

Details

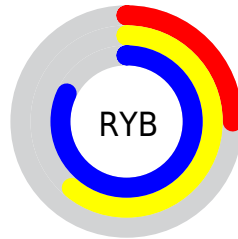
The CIELCh color **75, 56.023, 159.115** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **50, 61.153, 357.542**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 50.089, 161.827**, and **55, 52.294, 156.771** is the 20% darker color. If you saturate the color by 10%, you get **74, 61.759, 157.231**, and if you desaturate by 10%, it is **76, 49.461, 160.790**.

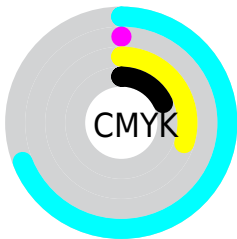
Distribution



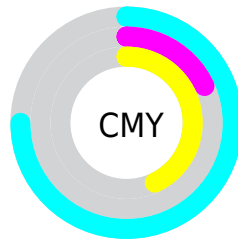
- Red (25%)
- Green (82%)
- Blue (57%)



- Red (25%)
- Yellow (61%)
- Blue (82%)



- Cyan (69%)
- Magenta (0%)
- Yellow (30%)
- Black (18%)





- Cyan (75%)
- Magenta (18%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 56.023, 159.115 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 75, 56.023, 159.115 by changing the saturation by 10% instead.


 75, 56.023,
159.115


 75, 56.023,
159.115


 100, 56.023,
159.115


 65, 56.023,
159.115


 95, 56.023,
159.115

 55, 56.023,
159.115

 45, 56.023,
159.115

 35, 56.023,
159.115

 25, 56.023,
159.115

 15, 56.023,
159.115

 5, 56.023, 159.115

■ 0, 56.023, 159.115

■ 75, 56.023,
159.115

■ 75, 56.023,
159.115

■ 74, 61.759,
157.231

■ 76, 49.461,
160.790

■ 74, 66.647,
155.134

■ 77, 42.154,
162.274

■ 74, 70.815,
152.886

■ 78, 34.233,
163.593

■ 74, 71.127,
152.717

■ 79, 25.845,
164.770

■ 80, 17.139,
165.833

■ 82, 8.253, 166.815

■ 84, 0.697, 346.996

■ 86, 9.615, 348.390

■ 88, 18.427,
349.157

Harmonies

Complementary

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



75, 56.023, 159.115



50, 61.153, 357.542

Rectangle

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



75, 56.023, 159.115



75, 56.023, 209.115



75, 56.023, 339.115



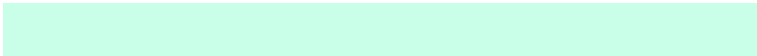
75, 56.023, 29.115

Sweetspot

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



75, 56.024, 159.115



96, 22.056, 165.626



76, 77.619, 128.533



51, 14.898, 165.334



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 56.024, 159.115



89, 74.839, 156.261



74, 35.830, 205.323



43, 5.096, 166.797



61, 60.321, 153.091



13, 20.919, 158.482

Inverse Universe

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



50, 61.153, 357.542



57, 79.987, 2.151



50, 62.776, 33.322



41, 5.182, 348.353



36, 61.876, 8.318



5, 21.207, 358.297

Previews

White Background



This preview shows how the CIELCh color 75, 56.023, 159.115 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 75, 56.023, 159.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

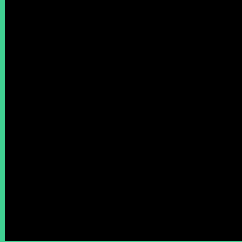
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 56.023, 159.115

Background



This preview shows how black text looks on a background with the CIELCh color 75, 56.023, 159.115.

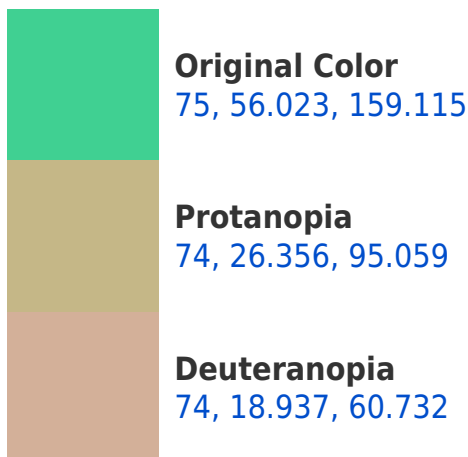


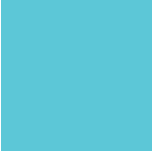
This preview shows how white text looks on a background with the CIELCh color 75, 56.023, 159.115.

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



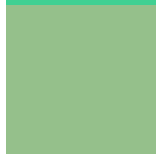


Tritanopia
75, 31.348, 213.490

Trichromacy



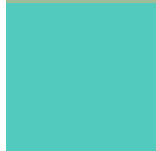
Original Color
75, 56.023, 159.115



Protanomaly
74, 32.983, 137.706



Deuteranomaly
73, 23.571, 137.518

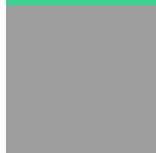


Tritanomaly
75, 36.471, 186.383

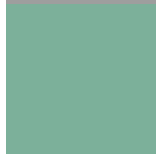
Monochromacy



Original Color
75, 56.023, 159.115



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 22.674, 165.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 56.023, 159.115 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(64, 208, 146)` looks like.

```
.text, #text, p{  
    color:rgb(64, 208, 146)  
}
```

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(64, 208, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 208, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 56.023, 159.115 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(64, 208, 146) }
```

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

```
.border{ border-color:rgb(64, 208, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 208, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 208, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 208, 146);  
box-shadow:4px 4px 4px 4px rgb(64, 208,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 56.023, 159.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 208, 146) }
```

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

```
.background{ background-color: rgb(64, 208,  
146) }
```

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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