

Converting Colors

CIELCh(56, 14.975, 117.990)

Have a look what the booklet for
CIELCh(56, 14.975, 117.990)
contains.

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Color

CIELCh(56, 14.975, 117.990)

Conversions

Conversions Part 1

Format	Color
Hex	83896F
RGB	131, 137, 111
RGB Percent	51%, 54%, 44%
CMY	0.4858, 0.4622, 0.5642
CMYK	0.04, 0.00, 0.19, 0.46
HSL	74°, 10%, 49%
HSV	74°, 19%, 54%
XYZ	21.2187, 23.9124, 18.5710
YIQ	132.2420, 4.7700, -9.3580

Conversions

Conversions Part 2

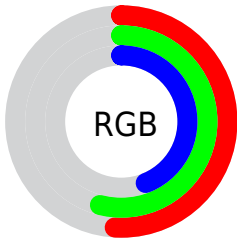
Format	Color
RYB	111, 137, 117
Decimal	8620399
CIELab	56.00, -7.03, 13.22
CIElCh	56, 14.975, 117.990
Yxy	23.9124, 0.3331, 0.3754
Android (android.graphics.Color)	4286810479 (0xFF83896F)
YUV	132.2420, -10.4723, -1.0892
Hunter-Lab	48.9003, -8.1215, 11.7135

Details

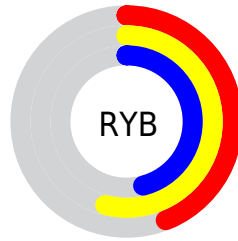
The CIELCh color $56, 14.975, 117.990$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $48, 15.558, 300.494$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 14.643, 117.928$, and $36, 14.980, 118.318$ is the 20% darker color. If you saturate the color by 10%, you get $55, 22.778, 117.358$, and if you desaturate by 10%, it is $57, 7.091, 118.627$.

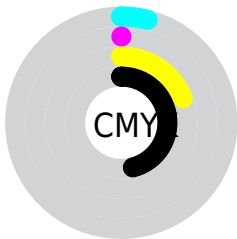
Distribution



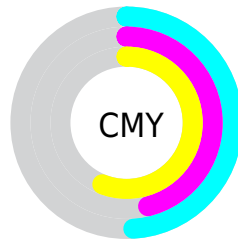
- Red (51%)
- Green (54%)
- Blue (44%)



- Red (44%)
- Yellow (54%)
- Blue (46%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (46%)




- Cyan (49%)
- Magenta (46%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 14.975, 117.990 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 56, 14.975, 117.990 by changing the saturation by 10% instead.


 56, 14.975,
117.990


 56, 14.975,
117.990


 100, 14.975,
117.990


 46, 14.975,
117.990


 76, 14.975,
117.990

 36, 14.975,
117.990

 86, 14.975,
117.990

 26, 14.975,
117.990

 96, 14.975,
117.990

 16, 14.975,
117.990

 6, 14.975, 117.990

 0, 14.975, 117.990

■ 56, 14.975,
117.990

■ 56, 14.975,
117.990

■ 55, 22.778,
117.358

■ 57, 7.091, 118.627

■ 57, 0.827, 299.220

■ 55, 30.418,
116.741

■ 58, 8.741, 299.830

■ 55, 37.784,
116.170

■ 59, 16.624,
300.393

■ 54, 44.709,
115.691

■ 59, 24.458,
300.922

■ 54, 50.951,
115.365

■ 60, 32.228,
301.418

■ 53, 56.198,
115.273

■ 61, 39.922,
301.880

■ 53, 60.111,
115.506

■ 62, 47.533,
302.309

■ 53, 62.822,

116.026

■ 63, 55.054,
302.707

■ 53, 63.102,
116.076

Harmonies

Complementary

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



56, 14.975, 117.990



48, 15.558, 300.494

Rectangle

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



56, 14.975, 117.990



56, 14.975, 167.990



56, 14.975, 297.990



56, 14.975, 347.990

Sweetspot

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



56, 14.976, 117.994



72, 5.884, 118.805



51, 9.208, 40.966



38, 3.888, 118.771



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



56, 14.976, 117.994



71, 22.490, 117.705



55, 16.716, 135.429



29, 4.478, 118.615



51, 61.573, 116.038



1, 2.086, 119.177

Inverse Universe

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



48, 15.558, 300.494



59, 23.593, 300.863



49, 16.935, 317.032



27, 4.565, 299.769



15, 80.533, 307.753



0, 2.087, 299.176

Previews

White Background



This preview shows how the CIELCh color 56, 14.975, 117.990 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 14.975, 117.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

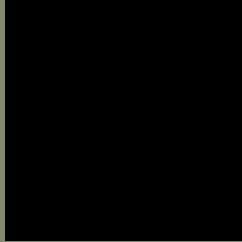
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

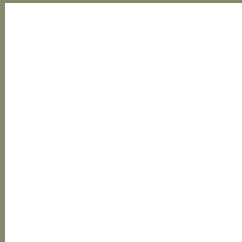
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 14.975, 117.990

Background



This preview shows how black text looks on a background with the CIELCh color 56, 14.975, 117.990.



This preview shows how white text looks on a background with the CIELCh color 56, 14.975, 117.990.

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
56, 14.975, 117.990

Protanopia
56, 14.068, 94.594

Deuteranopia
56, 14.450, 59.067



Tritanopia
56, 5.863, 302.191

Trichromacy



Original Color
56, 14.975, 117.990

Protanomaly
56, 14.259, 103.371

Deuteranomaly
56, 12.877, 81.391

Tritanomaly
56, 2.315, 119.744

Monochromacy



Original Color
56, 14.975, 117.990

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 5.771, 117.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 14.975, 117.990 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(131, 137, 111)` looks like.

```
.text, #text, p{  
    color:rgb(131, 137, 111)  
}
```

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(131, 137, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 137, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 14.975, 117.990 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(131, 137, 111) }
```

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

```
.border{ border-color:rgb(131, 137, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 137, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 137, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 137, 111);  
box-shadow:4px 4px 4px 4px rgb(131, 137,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 14.975, 117.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 137, 111) }
```

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

```
.background{ background-color: rgb(131,  
137, 111) }
```

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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