

Converting Colors

CIELCh(55, 43.932, 104.818)

Have a look what the booklet for
CIELCh(55, 43.932, 104.818)
contains.

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Color

CIELCh(55, 43.933, 105.417)

Conversions

Conversions Part 1

Format	Color
Hex	878837
RGB	135, 136, 55
RGB Percent	53%, 53%, 22%
CMY	0.4717, 0.4677, 0.7854
CMYK	0.01, 0.00, 0.60, 0.47
HSL	61°, 43%, 37%
HSV	61°, 60%, 53%
XYZ	19.3929, 22.9298, 6.9846
YIQ	126.4670, 25.4050, -25.4030

Conversions

Conversions Part 2

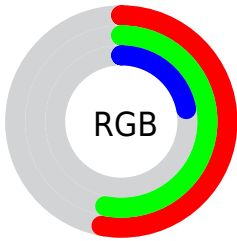
Format	Color
RYB	55, 136, 56
Decimal	8882231
CIELab	55.00, -11.68, 42.35
CIELCh	55, 43.933, 105.417
Yxy	22.9298, 0.3933, 0.4650
Android (android.graphics.Color)	4287072311 (0xFF878837)
YUV	126.4670, -35.2332, 7.4834
Hunter-Lab	47.8851, -11.5084, 24.8714

Details

The CIELCh color **55, 43.933, 105.417** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **28, 52.029, 299.366**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 43.964, 105.412**, and **35, 43.624, 104.914** is the 20% darker color. If you saturate the color by 10%, you get **55, 49.861, 104.736**, and if you desaturate by 10%, it is **55, 37.282, 106.206**.

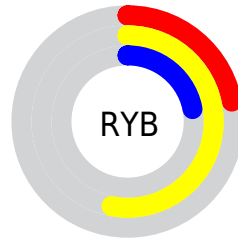
Distribution



Red (53%)

Green (53%)

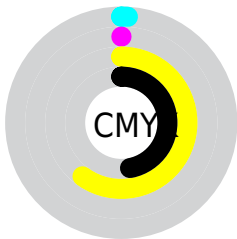
Blue (22%)



Red (22%)

Yellow (53%)

Blue (22%)

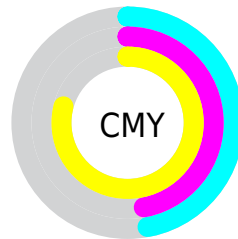


Cyan (1%)

Magenta (0%)

Yellow (60%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 43.933, 105.417 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 55, 43.933, 105.417 by changing the saturation by 10% instead.


 55, 43.933,
105.417


 55, 43.933,
105.417


 100, 43.933,
105.417


 45, 43.933,
105.417


 75, 43.933,
105.417

 35, 43.933,
105.417

 85, 43.933,
105.417

 25, 43.933,
105.417

 95, 43.933,
105.417

 15, 43.933,
105.417

 5, 43.933, 105.417

 0, 43.933, 105.417

■ 55, 43.933,
105.417

■ 55, 43.933,
105.417

■ 55, 49.861,
104.736

■ 55, 37.282,
106.206

■ 55, 54.739,
104.196

■ 55, 30.160,
107.062

■ 55, 58.231,
103.835

■ 56, 22.746,
107.958

■ 55, 60.583,
103.618

■ 56, 15.157,
108.874

■ 55, 60.660,
103.611

■ 56, 7.471, 109.789

■ 57, 0.261, 290.873

■ 57, 8.006, 291.594

■ 57, 15.741,
292.450

■ 58, 23.449,
293.273

Harmonies

Complementary

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



55, 43.933, 105.417



28, 52.029, 299.366

Rectangle

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



55, 43.933, 105.417



55, 43.933, 155.417



55, 43.933, 285.417



55, 43.933, 335.417

Sweetspot

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



55, 43.934, 105.419



71, 17.151, 108.991



34, 38.900, 26.898



37, 12.000, 108.754



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



55, 43.934, 105.419



70, 62.793, 104.506



52, 47.671, 126.496



29, 4.411, 109.835



53, 59.645, 103.609



1, 2.057, 110.671

Inverse Universe

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



28, 52.029, 299.366



30, 78.849, 302.245



32, 51.990, 311.983



26, 4.504, 291.565



14, 82.271, 306.342



0, 2.057, 290.672

Previews

White Background



This preview shows how the CIELCh color 55, 43.933, 105.417 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 CIELCh color 55, 43.933, 105.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

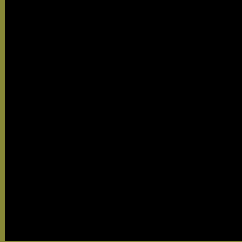
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 43.933, 105.417

Background



This preview shows how black text looks on a background with the CIELCh color 55, 43.933, 105.417.



This preview shows how white text looks on a background with the CIELCh color 55, 43.933, 105.417.

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


55, 43.933, 105.417

Protanopia

55, 43.265, 95.560

Deuteranopia

55, 41.959, 80.103



Tritanopia
55, 8.562, 338.257

Trichromacy



Original Color
55, 43.933, 105.417

Protanomaly
55, 43.348, 98.684

Deuteranomaly
55, 41.550, 89.449

Tritanomaly
55, 13.836, 90.608

Monochromacy



Original Color
55, 43.933, 105.417

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 17.146, 109.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 43.933, 105.417 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(135, 136, 55)` looks like.

```
.text, #text, p{  
    color:rgb(135, 136, 55)  
}
```

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(135, 136, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 136, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 43.933, 105.417 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(135, 136, 55) }
```

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

```
.border{ border-color:rgb(135, 136, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 136, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 136, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 136, 55);  
box-shadow:4px 4px 4px 4px rgb(135, 136,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 43.933, 105.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 136, 55) }
```

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

```
.background{ background-color: rgb(135,  
136, 55) }
```

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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