

Converting Colors

CIELCh(55, 42.551, 107.451)

Have a look what the booklet for
CIELCh(55, 42.551, 107.451)
contains.

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Color

CIELCh(55, 42.551, 107.451)

Conversions

Conversions Part 1

Format	Color
Hex	84883A
RGB	132, 136, 58
RGB Percent	52%, 53%, 23%
CMY	0.4812, 0.4655, 0.7714
CMYK	0.03, 0.00, 0.57, 0.47
HSL	63°, 40%, 38%
HSV	63°, 57%, 53%
XYZ	19.1800, 22.9298, 7.4554
YIQ	125.9120, 22.6540, -25.1060

Conversions

Conversions Part 2

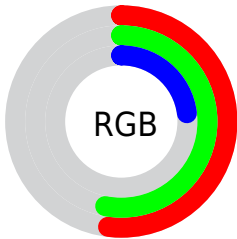
Format	Color
RYB	58, 136, 62
Decimal	8685626
CIELab	55.00, -12.76, 40.59
CIELCh	55, 42.551, 107.451
Yxy	22.9298, 0.3870, 0.4626
Android (android.graphics.Color)	4286875706 (0xFF84883A)
YUV	125.9120, -33.4806, 5.3392
Hunter-Lab	47.8851, -12.3022, 24.2886

Details

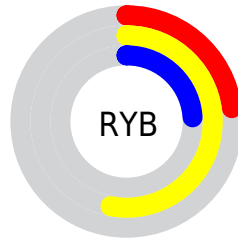
The CIELCh color $55, 42.551, 107.451$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $29, 49.832, 299.752$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 42.488, 107.241$, and $35, 42.447, 107.216$ is the 20% darker color. If you saturate the color by 10%, you get $55, 48.712, 106.813$, and if you desaturate by 10%, it is $55, 35.737, 108.198$.

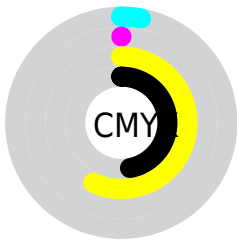
Distribution



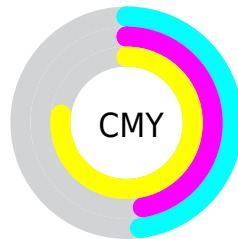
- Red (52%)
- Green (53%)
- Blue (23%)



- Red (23%)
- Yellow (53%)
- Blue (24%)



- Cyan (3%)
- Magenta (0%)
- Yellow (57%)
- Black (47%)





- Cyan (48%)
- Magenta (47%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 42.551, 107.451 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, 42.551, 107.451 by changing the saturation by 10% instead.


 55, 42.551,
107.451


 55, 42.551,
107.451


 100, 42.551,
107.451


 45, 42.551,
107.451


 75, 42.551,
107.451

 35, 42.551,
107.451

 85, 42.551,
107.451

 25, 42.551,
107.451

 95, 42.551,
107.451

 15, 42.551,
107.451

 5, 42.551, 107.451

 0, 42.551, 107.451

■ 55, 42.551,
107.451

■ 55, 42.551,
107.451

■ 55, 48.712,
106.813

■ 55, 35.737,
108.198

■ 55, 53.906,
106.324

■ 55, 28.500,
109.009

■ 55, 57.789,
106.035

■ 56, 21.003,
109.856

■ 54, 60.302,
105.952

■ 56, 13.352,
110.717

■ 54, 60.954,
105.933

■ 57, 5.618, 111.573

■ 57, 2.154, 292.440

■ 57, 9.932, 293.249

■ 58, 17.694,
294.038

■ 58, 25.424,
294.794

Harmonies

Complementary

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



55, 42.551, 107.451



29, 49.832, 299.752

Rectangle

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



55, 42.551, 107.451



55, 42.551, 157.451



55, 42.551, 287.451



55, 42.551, 337.451

Sweetspot

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



55, 42.552, 107.453



71, 16.219, 110.706



36, 35.907, 29.304



37, 10.927, 110.560



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, 42.552, 107.453



69, 60.924, 106.635



52, 46.735, 128.294



29, 4.415, 111.410



53, 59.751, 105.925



1, 2.059, 112.191

Inverse Universe

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



29, 49.832, 299.752



31, 75.273, 302.233



33, 50.201, 313.379



26, 4.508, 293.025



14, 82.044, 306.512



0, 2.059, 292.192

Previews

White Background



This preview shows how the CIELCh color 55, 42.551, 107.451 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, 42.551, 107.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

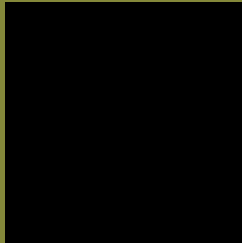
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 42.551, 107.451

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.551, 107.451.



This preview shows how white text looks on a background with the CIELCh color 55, 42.551, 107.451.

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, 42.551, 107.451

Protanopia

55, 41.757, 96.078

Deuteranopia

55, 40.551, 79.451



Tritanopia
55, 7.462, 329.861

Trichromacy



Original Color
55, 42.551, 107.451

Protanomaly
55, 42.230, 100.593

Deuteranomaly
55, 39.959, 89.750

Tritanomaly
55, 12.823, 97.222

Monochromacy



Original Color
55, 42.551, 107.451

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 16.601, 111.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.551, 107.451 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(132, 136, 58)` looks like.

```
.text, #text, p{  
    color:rgb(132, 136, 58)  
}
```

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(132, 136, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 136, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.551, 107.451 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(132, 136, 58) }
```

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

```
.border{ border-color:rgb(132, 136, 58) }
```

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

Here you see how a box with a 4 pixel rgb(132, 136, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 136, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 136, 58);  
box-shadow:4px 4px 4px 4px rgb(132, 136,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.551, 107.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 136, 58) }
```

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

```
.background{ background-color: rgb(132,  
136, 58) }
```

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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