

Converting Colors

CIELCh(55, 43.267, 90.490)

Have a look what the booklet for
CIELCh(55, 43.267, 90.490) contains.

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Color

CIELCh(55, 43.267, 90.490)

Conversions

Conversions Part 1

Format	Color
Hex	998236
RGB	153, 130, 54
RGB Percent	60%, 51%, 21%
CMY	0.4008, 0.4909, 0.7890
CMYK	0.00, 0.15, 0.65, 0.40
HSL	46°, 48%, 41%
HSV	46°, 65%, 60%
XYZ	21.7152, 22.9298, 6.7483
YIQ	128.2130, 38.1040, -18.7600

Conversions

Conversions Part 2

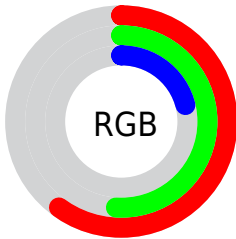
Format	Color
RYB	84, 153, 54
Decimal	10060342
CIELab	55.00, -0.37, 43.27
CIELCh	55, 43.267, 90.490
Yxy	22.9298, 0.4225, 0.4462
Android (android.graphics.Color)	4288250422 (0xFF998236)
YUV	128.2130, -36.5870, 21.7382
Hunter-Lab	47.8851, -2.8519, 25.1640

Details

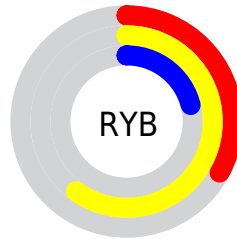
The CIELCh color **55, 43.267, 90.490** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **35, 47.340, 290.490**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 43.435, 90.570**, and **35, 43.293, 90.319** is the 20% darker color. If you saturate the color by 10%, you get **54, 48.913, 89.155**, and if you desaturate by 10%, it is **56, 36.970, 91.788**.

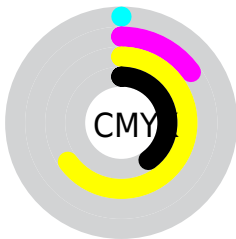
Distribution



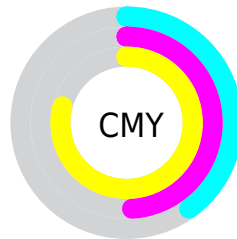
- Red (60%)
- Green (51%)
- Blue (21%)



- Red (33%)
- Yellow (60%)
- Blue (21%)



- Cyan (0%)
- Magenta (15%)
- Yellow (65%)
- Black (40%)



- Cyan (40%)
- Magenta (49%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 43.267, 90.490 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, 43.267, 90.490 by changing the saturation by 10% instead.

 55, 43.267, 90.490

 55, 43.267, 90.490

 100, 43.267,
90.490

 45, 43.267, 90.490

 75, 43.267, 90.490

 35, 43.267, 90.490

 85, 43.267, 90.490

 25, 43.267, 90.490

 95, 43.267, 90.490

 15, 43.267, 90.490

 5, 43.267, 90.490

 0, 43.267, 90.490

 55, 43.267, 90.490

 55, 43.267, 90.490

 54, 48.913, 89.155

 56, 36.970, 91.788

 53, 53.448, 87.734

 57, 30.334, 93.056

■ 52, 56.361, 86.162

■ 59, 23.550, 94.300

■ 51, 57.615, 85.332

■ 60, 16.729, 95.517

■ 61, 9.930, 96.699

■ 62, 3.189, 97.821

■ 64, 3.480, 279.019

■ 65, 10.070,
280.060

■ 67, 16.578,
281.075

Harmonies

Complementary

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



55, 43.267, 90.490



35, 47.340, 290.490

Rectangle

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



55, 43.267, 90.490



55, 43.267, 140.490



55, 43.267, 270.490



55, 43.267, 320.490

Sweetspot

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



55, 43.267, 90.493



77, 15.866, 96.160



38, 44.058, 11.091



40, 10.904, 95.848



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 43.267, 90.493



68, 62.299, 88.491



59, 53.178, 117.062



32, 3.789, 97.335



47, 54.159, 85.485



3, 4.033, 97.559

Inverse Universe

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



35, 47.340, 290.490



38, 72.281, 294.861



31, 62.194, 305.999



30, 3.823, 279.523



20, 70.786, 300.647



1, 4.108, 278.653

Previews

White Background



This preview shows how the CIELCh color 55, 43.267, 90.490 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 55, 43.267, 90.490 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, 43.267, 90.490

Background



This preview shows how black text looks on a background with the CIELCh color 55, 43.267, 90.490.



This preview shows how white text looks on a background with the CIELCh color 55, 43.267, 90.490.

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, 43.267, 90.490

Protanopia

55, 43.265, 95.560

Deuteranopia

55, 43.569, 80.141



Tritanopia
55, 15.850, 2.397

Trichromacy



Original Color
55, 43.267, 90.490

Protanomaly
55, 43.109, 93.637

Deuteranomaly
55, 43.146, 83.964

Tritanomaly
55, 19.028, 61.340

Monochromacy



Original Color
55, 43.267, 90.490

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 16.391, 96.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 43.267, 90.490 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(153, 130, 54)` looks like.

```
.text, #text, p{  
    color:rgb(153, 130, 54)  
}
```

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(153, 130, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 130, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 43.267, 90.490 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(153, 130, 54) }
```

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

```
.border{ border-color:rgb(153, 130, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 130, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 130, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 130, 54);  
box-shadow:4px 4px 4px 4px rgb(153, 130,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 43.267, 90.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 130, 54) }
```

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

```
.background{ background-color: rgb(153,  
130, 54) }
```

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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