

Converting Colors

CIELCh(55, 55.831, 110.292)

Have a look what the booklet for
CIELCh(55, 55.831, 110.292)
contains.

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Color

CIELCh(55, 55.639, 110.249)

Conversions

Conversions Part 1

Format	Color
Hex	7D8B1E
RGB	125, 139, 30
RGB Percent	49%, 55%, 12%
CMY	0.5097, 0.4548, 0.8822
CMYK	0.10, 0.00, 0.78, 0.45
HSL	68°, 64%, 33%
HSV	68°, 78%, 55%
XYZ	17.9335, 22.9298, 4.7112
YIQ	122.3880, 26.6450, -36.8670

Conversions

Conversions Part 2

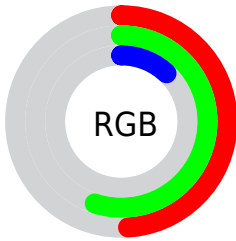
Format	Color
RYB	30, 139, 44
Decimal	8227614
CIELab	55.00, -19.26, 52.20
CIELCh	55, 55.639, 110.249
Yxy	22.9298, 0.3935, 0.5031
Android (android.graphics.Color)	4286417694 (0xFF7D8B1E)
YUV	122.3880, -45.5473, 2.2907
Hunter-Lab	47.8851, -16.9488, 27.6863

Details

The CIELCh color **55, 55.639, 110.249** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **21, 70.242, 304.751**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 55.438, 110.257**, and **35, 45.912, 113.458** is the 20% darker color. If you saturate the color by 10%, you get **55, 59.475, 110.219**, and if you desaturate by 10%, it is **55, 50.442, 110.545**.

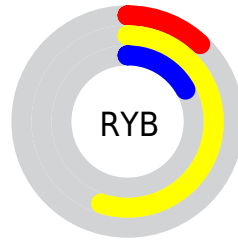
Distribution



Red (49%)

Green (55%)

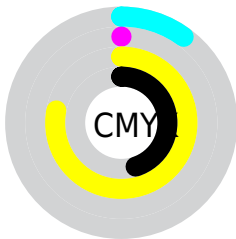
Blue (12%)



Red (12%)

Yellow (55%)

Blue (17%)

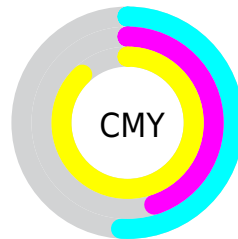


Cyan (10%)

Magenta (0%)

Yellow (78%)

Black (45%)



Cyan (51%)


Magenta (45%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 55.639, 110.249 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, 55.639, 110.249 by changing the saturation by 10% instead.


 55, 55.639,
110.249


 55, 55.639,
110.249


 100, 55.639,
110.249


 45, 55.639,
110.249


 75, 55.639,
110.249

 35, 55.639,
110.249

 85, 55.639,
110.249

 25, 55.639,
110.249

 95, 55.639,
110.249

 15, 55.639,
110.249

 5, 55.639, 110.249

 0, 55.639, 110.249

■ 55, 55.639,
110.249

■ 55, 55.639,
110.249

■ 55, 59.475,
110.219

■ 55, 50.442,
110.545

■ 55, 62.002,
110.439

■ 55, 44.230,
111.032

■ 55, 62.396,
110.473

■ 56, 37.325,
111.649

■ 56, 29.971,
112.346

■ 57, 22.337,
113.086

■ 57, 14.538,
113.842

■ 57, 6.649, 114.596

■ 58, 1.281, 295.346

Harmonies

Complementary

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



55, 55.639, 110.249



21, 70.242, 304.751

Rectangle

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



55, 55.639, 110.249



55, 55.639, 160.249



55, 55.639, 290.249



55, 55.639, 340.249

Sweetspot

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



55, 55.639, 110.251



72, 23.471, 113.378



32, 50.458, 37.367



38, 16.223, 113.138



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



55, 55.639, 110.251



70, 74.474, 110.406



52, 62.717, 130.059



29, 4.433, 114.540



52, 60.284, 110.441



1, 2.067, 115.219

Inverse Universe

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



21, 70.242, 304.751



23, 99.555, 306.434



28, 67.393, 315.774



27, 4.525, 295.940



14, 81.544, 306.901



0, 2.067, 295.219

Previews

White Background



This preview shows how the CIELCh color 55, 55.639, 110.249 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, 55.639, 110.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

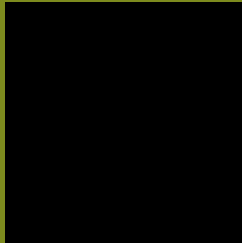
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 55.639, 110.249

Background



This preview shows how black text looks on a background with the CIELCh color 55, 55.639, 110.249.



This preview shows how white text looks on a background with the CIELCh color 55, 55.639, 110.249.

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, 55.639, 110.249

Protanopia

55, 53.808, 95.466

Deuteranopia

55, 51.375, 82.222



Tritanopia
55, 6.093, 309.359

Trichromacy



Original Color
55, 55.639, 110.249

Protanomaly
55, 54.071, 101.096

Deuteranomaly
55, 51.336, 93.190

Tritanomaly
55, 18.784, 110.474

Monochromacy



Original Color
55, 55.639, 110.249

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 22.372, 112.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 55.639, 110.249 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(125, 139, 30)` looks like.

```
.text, #text, p{  
    color:rgb(125, 139, 30)  
}
```

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(125, 139, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 139, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 55.639, 110.249 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(125, 139, 30) }
```

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

```
.border{ border-color:rgb(125, 139, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 139, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 139, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 139, 30);  
box-shadow:4px 4px 4px 4px rgb(125, 139,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 55.639, 110.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 139, 30) }
```

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

```
.background{ background-color: rgb(125,  
139, 30) }
```

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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