

Converting Colors

CIELCh(55, 12.253, 67.931)

Have a look what the booklet for
CIELCh(55, 12.253, 67.931) contains.

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Color

CIELCh(55, 12.253, 67.931)

Conversions

Conversions Part 1

Format	Color
Hex	938070
RGB	147, 128, 112
RGB Percent	58%, 50%, 44%
CMY	0.4223, 0.4968, 0.5596
CMYK	0.00, 0.13, 0.24, 0.42
HSL	27°, 14%, 51%
HSV	27°, 24%, 58%
XYZ	22.7926, 22.9298, 18.6434
YIQ	131.8570, 16.4600, -0.9480

Conversions

Conversions Part 2

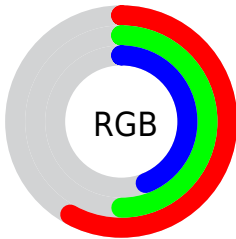
Format	Color
R_{YB}	147, 141, 112
Decimal	9666672
CIE _{Lab}	55.00, 4.60, 11.36
CIE _{LCh}	55, 12.253, 67.931
Yxy	22.9298, 0.3541, 0.3562
Android (android.graphics.Color)	4287856752 (0xFF938070)
YUV	131.8570, -9.7895, 13.2804
Hunter-Lab	47.8851, 1.1642, 10.4358

Details

The CIELCh color $55, 12.253, 67.931$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $54, 11.323, 253.935$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 12.077, 68.742$, and $35, 12.403, 68.272$ is the 20% darker color. If you saturate the color by 10%, you get $53, 17.883, 66.819$, and if you desaturate by 10%, it is $58, 6.912, 69.053$.

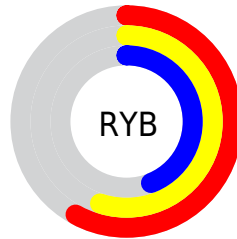
Distribution



 Red (58%)

 Green (50%)

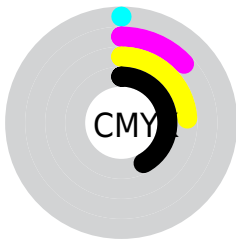
 Blue (44%)



 Red (58%)

 Yellow (55%)

 Blue (44%)

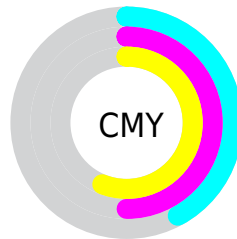


 Cyan (0%)

 Magenta (13%)

 Yellow (24%)

 Black (42%)



 Cyan (42%)

 Magenta (50%)

 Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 12.253, 67.931 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, 12.253, 67.931 by changing the saturation by 10% instead.

■ 55, 12.253, 67.931

■ 55, 12.253, 67.931

■ 100, 12.253,
67.931

■ 45, 12.253, 67.931

■ 75, 12.253, 67.931

■ 35, 12.253, 67.931

■ 85, 12.253, 67.931

■ 25, 12.253, 67.931

■ 95, 12.253, 67.931

■ 15, 12.253, 67.931

■ 5, 12.253, 67.931

■ 0, 12.253, 67.931

■ 55, 12.253, 67.931

■ 55, 12.253, 67.931

■ 53, 17.883, 66.819

■ 58, 6.912, 69.053

■ 50, 23.809, 65.702

■ 60, 1.841, 70.051

48, 30.015, 64.590

63, 2.985, 251.443

46, 36.432, 63.465

65, 7.592, 252.466

43, 42.897, 62.269

68, 12.003,
253.511

41, 49.060, 60.868

71, 16.241,
254.530

39, 54.295, 58.992

38, 57.465, 57.936

73, 20.327,
255.516

76, 24.279,
256.465

79, 28.112,
257.375

Harmonies

Complementary

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



55, 12.253, 67.931



54, 11.323, 253.935

Rectangle

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



55, 12.253, 67.931



55, 12.253, 117.931



55, 12.253, 247.931



55, 12.253, 297.931

Sweetspot

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



55, 12.253, 67.941



75, 4.272, 69.755



51, 17.868, 342.999



40, 2.801, 69.704



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 12.253, 67.941



68, 18.787, 67.288



60, 18.628, 105.767



30, 2.811, 69.544



36, 54.624, 58.186



2, 2.411, 70.638

Inverse Universe

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



54, 11.323, 253.935



67, 16.983, 254.960



49, 19.555, 290.877



30, 2.737, 251.822



31, 40.964, 278.287



1, 2.412, 250.653

Previews

White Background



This preview shows how the CIELCh color 55, 12.253, 67.931 looks on a white background.

Color Contrast Check

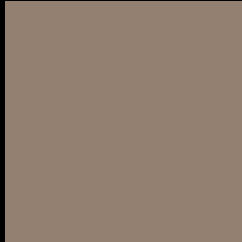
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.253, 67.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

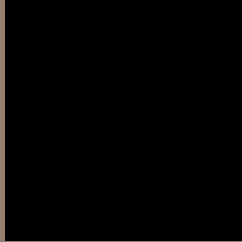
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 12.253, 67.931

Background



This preview shows how black text looks on a background with the CIELCh color 55, 12.253, 67.931.



This preview shows how white text looks on a background with the CIELCh color 55, 12.253, 67.931.

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, 12.253, 67.931

Protanopia

55, 10.147, 92.233

Deuteranopia

55, 13.041, 57.813



Tritanopia
55, 11.513, 350.921

Trichromacy



Original Color
55, 12.253, 67.931

Protanomaly
55, 10.778, 83.576

Deuteranomaly
55, 12.699, 58.991

Tritanomaly
55, 9.402, 16.923

Monochromacy



Original Color
55, 12.253, 67.931

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 4.441, 70.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 12.253, 67.931 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(147, 128, 112)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 112)  
}
```

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(147, 128, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 12.253, 67.931 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(147, 128, 112) }
```

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

```
.border{ border-color:rgb(147, 128, 112) }
```

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

Here you see how a box with a 4 pixel rgb(147, 128, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 128, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 128, 112);  
box-shadow:4px 4px 4px 4px rgb(147, 128,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 12.253, 67.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 112) }
```

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

```
.background{ background-color: rgb(147,  
128, 112) }
```

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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