

Converting Colors

CIELCh(55, 13.444, 69.516)

Have a look what the booklet for
CIELCh(55, 13.444, 69.516) contains.

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Color

CIELCh(55, 13.444, 69.516)

Conversions

Conversions Part 1

Format	Color
Hex	94806E
RGB	148, 128, 110
RGB Percent	58%, 50%, 43%
CMY	0.4189, 0.4973, 0.5679
CMYK	0.00, 0.13, 0.26, 0.42
HSL	28°, 15%, 51%
HSV	28°, 26%, 58%
XYZ	22.8148, 22.9298, 18.0266
YIQ	131.9280, 17.6980, -1.3580

Conversions

Conversions Part 2

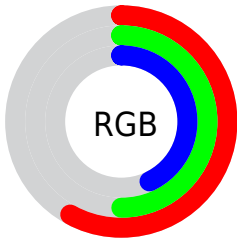
Format	Color
R_{YB}	148, 144, 110
Decimal	9732206
CIE _{Lab}	55.00, 4.70, 12.59
CIE _{LCh}	55, 13.444, 69.516
Yxy	22.9298, 0.3578, 0.3596
Android (android.graphics.Color)	4287922286 (0xFF94806E)
YUV	131.9280, -10.8105, 14.0951
Hunter-Lab	47.8851, 1.2471, 11.1996

Details

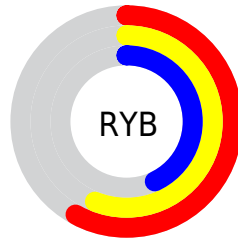
The CIELCh color **55, 13.444, 69.516** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **53, 12.425, 256.198**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 13.187, 70.285**, and **35, 13.721, 69.751** is the 20% darker color. If you saturate the color by 10%, you get **53, 19.168, 68.360**, and if you desaturate by 10%, it is **57, 7.998, 70.678**.

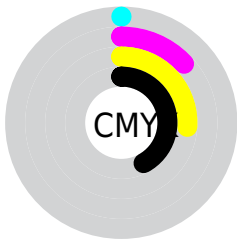
Distribution



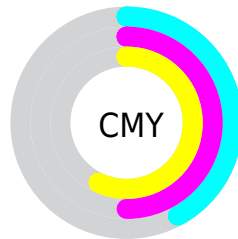
- Red (58%)
- Green (50%)
- Blue (43%)



- Red (58%)
- Yellow (56%)
- Blue (43%)



- Cyan (0%)
- Magenta (13%)
- Yellow (26%)
- Black (42%)



- Cyan (42%)
- Magenta (50%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 13.444, 69.516 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, 13.444, 69.516 by changing the saturation by 10% instead.

■ 55, 13.444, 69.516

■ 55, 13.444, 69.516

■ 100, 13.444,
69.516

■ 45, 13.444, 69.516

■ 75, 13.444, 69.516

■ 35, 13.444, 69.516

■ 85, 13.444, 69.516

■ 25, 13.444, 69.516

■ 95, 13.444, 69.516

■ 15, 13.444, 69.516

■ 5, 13.444, 69.516

■ 0, 13.444, 69.516

■ 55, 13.444, 69.516

■ 55, 13.444, 69.516

■ 53, 19.168, 68.360

■ 57, 7.998, 70.678

■ 50, 25.172, 67.193

■ 60, 2.815, 71.766

48, 31.427, 66.021

62, 2.128, 253.163

46, 37.847, 64.820

65, 6.854, 254.178

44, 44.233, 63.520

68, 11.387,
255.245

42, 50.182, 61.968

70, 15.748,
256.286

40, 55.096, 59.933

39, 57.292, 59.194

73, 19.959,
257.292

75, 24.036,
258.259

78, 27.995,
259.185

Harmonies

Complementary

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



55, 13.444, 69.516



53, 12.425, 256.198

Rectangle

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



55, 13.444, 69.516



55, 13.444, 119.516



55, 13.444, 249.516



55, 13.444, 299.516

Sweetspot

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



55, 13.444, 69.525



76, 4.994, 71.510



51, 19.187, 344.064



39, 3.551, 71.360



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, 13.444, 69.525



69, 20.533, 68.827



60, 20.512, 106.332



30, 2.836, 71.399



36, 54.227, 59.465



2, 2.436, 72.517

Inverse Universe

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



53, 12.425, 256.198



66, 18.583, 257.308



48, 21.673, 291.827



30, 2.768, 253.720



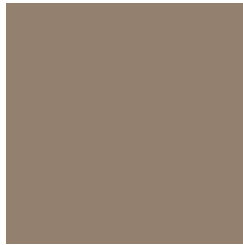
31, 42.342, 280.144



1, 2.436, 252.530

Previews

White Background



This preview shows how the CIELCh color 55, 13.444, 69.516 looks on a white background.

Color Contrast Check

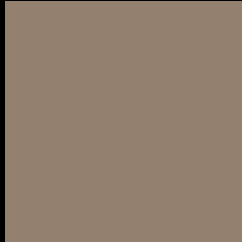
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.444, 69.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

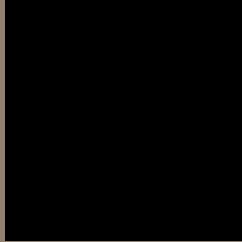
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 13.444, 69.516

Background



This preview shows how black text looks on a background with the CIELCh color 55, 13.444, 69.516.



This preview shows how white text looks on a background with the CIELCh color 55, 13.444, 69.516.

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, 13.444, 69.516

Protanopia

55, 11.369, 91.637

Deuteranopia

55, 14.566, 61.701



Tritanopia
55, 11.623, 354.461

Trichromacy



Original Color
55, 13.444, 69.516

Protanomaly
55, 12.009, 83.841

Deuteranomaly
55, 14.241, 62.854

Tritanomaly
55, 9.879, 23.727

Monochromacy



Original Color
55, 13.444, 69.516

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 4.901, 74.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 13.444, 69.516 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(148, 128, 110)` looks like.

```
.text, #text, p{  
    color:rgb(148, 128, 110)  
}
```

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(148, 128, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 128, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 13.444, 69.516 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(148, 128, 110) }
```

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

```
.border{ border-color:rgb(148, 128, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 128, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 128, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 128, 110);  
box-shadow:4px 4px 4px 4px rgb(148, 128,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 13.444, 69.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 128, 110) }
```

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

```
.background{ background-color: rgb(148,  
128, 110) }
```

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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