

Converting Colors

CIELCh(55, 5.750, 93.751)

Have a look what the booklet for
CIELCh(55, 5.750, 93.751) contains.

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Color

CIELCh(55, 5.393, 91.953)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 87837A |
| RGB | 135, 131, 122 |
| RGB Percent | 53%, 51%, 48% |
| CMY | 0.4691, 0.4848, 0.5201 |
| CMYK | 0.00, 0.03, 0.10, 0.47 |
| HSL | 42°, 5%, 51% |
| HSV | 42°, 10%, 53% |
| XYZ | 21.7549, 22.9298, 21.8119 |
| YIQ | 131.1700, 5.2730, -1.9510 |

Conversions

Conversions Part 2

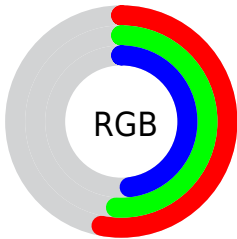
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 128, 135, 122 |
| Decimal | 8881018 |
| CIE Lab | 55.00, -0.18, 5.39 |
| CIE LCh | 55, 5.393, 91.953 |
| Yxy | 22.9298, 0.3272, 0.3448 |
| Android (android.graphics.Color) | 4287071098 (0xFF87837A) |
| YUV | 131.1700, -4.5208, 3.3589 |
| Hunter-Lab | 47.8851, -2.7039, 6.5127 |

Details

The CIELCh color **55, 5.393, 91.953** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **53, 5.407, 274.357**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 5.578, 93.824**, and **35, 5.747, 95.685** is the 20% darker color. If you saturate the color by 10%, you get **54, 11.112, 90.764**, and if you desaturate by 10%, it is **57, 0.225, 273.924**.

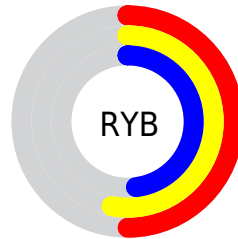
Distribution



Red (53%)

Green (51%)

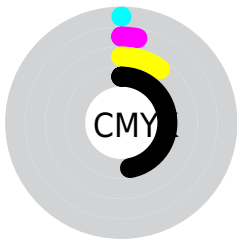
Blue (48%)



Red (50%)

Yellow (53%)

Blue (48%)

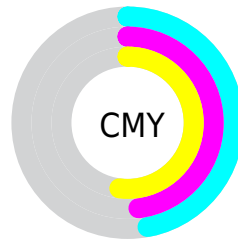


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (47%)



Cyan (47%)


Magenta (48%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 5.393, 91.953 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, 5.393, 91.953 by changing the saturation by 10% instead.

 55, 5.393, 91.953  55, 5.393, 91.953

 100, 5.393, 91.953  45, 5.393, 91.953

 75, 5.393, 91.953  35, 5.393, 91.953

 85, 5.393, 91.953  25, 5.393, 91.953

 95, 5.393, 91.953  15, 5.393, 91.953

 5, 5.393, 91.953

 0, 5.393, 91.953

 55, 5.393, 91.953  55, 5.393, 91.953

 54, 11.112, 90.764  57, 0.225, 273.924

 52, 16.918, 89.509  58, 5.744, 274.342

51, 22.788, 88.216

60, 11.165,
275.415

49, 28.666, 86.886

61, 16.495,
276.448

48, 34.450, 85.512

47, 39.955, 84.075

63, 21.738,
277.433

45, 44.866, 82.527

64, 26.902,
278.370

44, 48.717, 80.775

43, 51.622, 78.869

66, 31.991,
279.258

68, 37.012,
280.100

70, 41.968,
280.895

Harmonies

Complementary

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



55, 5.393, 91.953



53, 5.407, 274.357

Rectangle

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



55, 5.393, 91.953



55, 5.393, 141.953



55, 5.393, 271.953



55, 5.393, 321.953

Sweetspot

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



55, 5.394, 91.969



71, 2.069, 92.678



53, 5.763, 355.632



37, 1.583, 92.609



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, 5.394, 91.969



70, 8.367, 91.655



56, 7.480, 116.706



28, 3.211, 92.020



42, 50.982, 78.855



1, 1.483, 93.130

Inverse Universe

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



53, 5.407, 274.357



66, 8.384, 274.711



52, 7.635, 298.031



27, 3.219, 274.300



21, 60.871, 296.992



0, 1.484, 273.136

Previews

White Background



This preview shows how the CIELCh color 55, 5.393, 91.953 looks on a white background.

Color Contrast Check

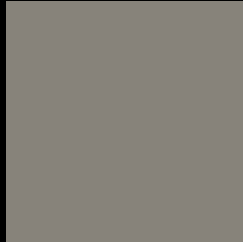
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.393, 91.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

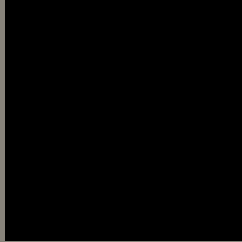
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 5.393, 91.953

Background



This preview shows how black text looks on a background with the CIELCh color 55, 5.393, 91.953.



This preview shows how white text looks on a background with the CIELCh color 55, 5.393, 91.953.

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

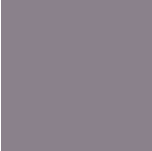
55, 5.393, 91.953

Protanopia

55, 5.529, 87.894

Deuteranopia

55, 8.560, 35.638



Tritanopia
55, 6.770, 322.025

Trichromacy



Original Color
55, 5.393, 91.953

Protanomaly
55, 5.529, 87.894

Deuteranomaly
55, 6.692, 50.632

Tritanomaly
55, 3.281, 348.019

Monochromacy



Original Color
55, 5.393, 91.953

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 2.315, 99.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 5.393, 91.953 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(135, 131, 122)` looks like.

```
.text, #text, p{  
    color:rgb(135, 131, 122)  
}
```

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(135, 131, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 131, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 5.393, 91.953 is called "border". The border property can be set on classes, ids or directly on the HTML element.

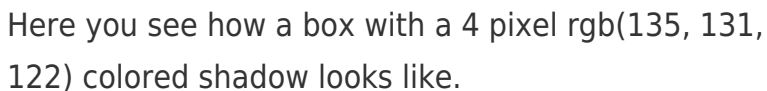
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 131, 122) }
```

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

```
.border{ border-color:rgb(135, 131, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 131, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 131, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 131, 122); box-shadow:4px 4px 4px 4px rgb(135, 131, 122) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 5.393, 91.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 131, 122) }
```

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

```
.background{ background-color: rgb(135,  
131, 122) }
```

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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