

Converting Colors

CIELCh(55, 9.704, 54.142)

Have a look what the booklet for
CIELCh(55, 9.704, 54.142) contains.

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Color

CIELCh(55, 9.813, 55.522)

Conversions

Conversions Part 1

Format	Color
Hex	938076
RGB	147, 128, 118
RGB Percent	58%, 50%, 46%
CMY	0.4237, 0.4982, 0.5375
CMYK	0.00, 0.13, 0.20, 0.42
HSL	21°, 12%, 52%
HSV	21°, 20%, 58%
XYZ	23.0026, 22.9298, 20.3371
YIQ	132.5410, 14.5340, 0.9180

Conversions

Conversions Part 2

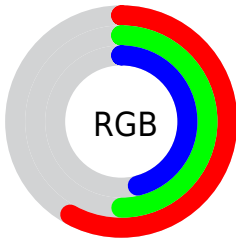
Format	Color
R_YB	147, 133, 118
Decimal	9666678
CIE Lab	55.00, 5.56, 8.09
CIE LCh	55, 9.813, 55.522
Yxy	22.9298, 0.3471, 0.3460
Android (android.graphics.Color)	4287856758 (0xFF938076)
YUV	132.5410, -7.1687, 12.6805
Hunter-Lab	47.8851, 1.9472, 8.3388

Details

The CIELCh color $55, 9.813, 55.522$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $56, 8.891, 239.180$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 9.768, 56.995$, and $35, 9.700, 55.227$ is the 20% darker color. If you saturate the color by 10%, you get $52, 15.315, 54.818$, and if you desaturate by 10%, it is $58, 4.676, 56.269$.

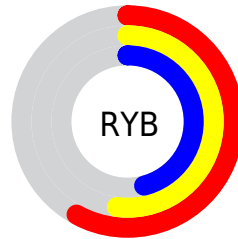
Distribution



Red (58%)

Green (50%)

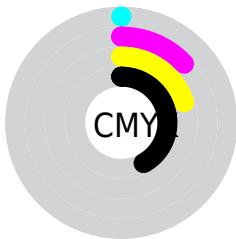
Blue (46%)



Red (58%)

Yellow (52%)

Blue (46%)

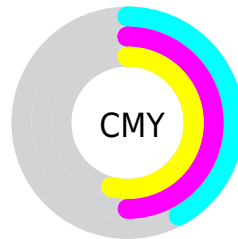


Cyan (0%)

Magenta (13%)

Yellow (20%)

Black (42%)



Cyan (42%)

Magenta (50%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 9.813, 55.522 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, 9.813, 55.522 by changing the saturation by 10% instead.

 55, 9.813, 55.522  55, 9.813, 55.522

 100, 9.813, 55.522  45, 9.813, 55.522

 75, 9.813, 55.522  35, 9.813, 55.522

 85, 9.813, 55.522  25, 9.813, 55.522

 95, 9.813, 55.522  15, 9.813, 55.522

 5, 9.813, 55.522

 0, 9.813, 55.522

 55, 9.813, 55.522  55, 9.813, 55.522

 52, 15.315, 54.818  58, 4.676, 56.269

 49, 21.208, 54.159  61, 0.128, 240.152

46, 27.501, 53.573

64, 4.633, 238.073

44, 34.169, 53.064

67, 8.873, 238.869

41, 41.119, 52.603

70, 12.879,
239.687

39, 48.120, 52.097

73, 16.680,
240.502

37, 54.669, 51.312

35, 60.604, 50.436

76, 20.300,
241.304

35, 60.780, 50.436

80, 23.763,
242.086

83, 27.087,
242.846

Harmonies

Complementary

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



55, 9.813, 55.522



56, 8.891, 239.180

Rectangle

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



55, 9.813, 55.522



55, 9.813, 105.522



55, 9.813, 235.522



55, 9.813, 285.522

Sweetspot

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



55, 9.813, 55.534



75, 3.529, 56.509



53, 15.990, 337.047



40, 2.364, 56.474



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, 9.813, 55.534



69, 15.044, 55.187



59, 13.752, 100.183



30, 2.723, 56.306



33, 57.780, 50.599



1, 2.318, 57.131

Inverse Universe

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



56, 8.891, 239.180



70, 13.271, 239.792



52, 14.114, 284.761



30, 2.610, 238.057



36, 32.975, 262.661



2, 2.319, 237.149

Previews

White Background



This preview shows how the CIELCh color 55, 9.813, 55.522 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, 9.813, 55.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

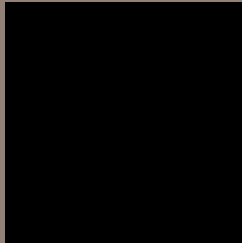
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 9.813, 55.522

Background



This preview shows how black text looks on a background with the CIELCh color 55, 9.813, 55.522.



This preview shows how white text looks on a background with the CIELCh color 55, 9.813, 55.522.

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, 9.813, 55.522

Protanopia

55, 6.749, 87.991

Deuteranopia

55, 10.586, 49.154



Tritanopia
55, 11.166, 349.830

Trichromacy



Original Color
55, 9.813, 55.522

Protanomaly
55, 7.768, 73.534

Deuteranomaly
55, 10.213, 50.291

Tritanomaly
55, 9.081, 9.512

Monochromacy



Original Color
55, 9.813, 55.522

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 3.315, 63.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 9.813, 55.522 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 9.813, 55.522 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, 118) }
```

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

```
.border{ border-color:rgb(147, 128, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 128, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 128, 118);  
box-shadow:4px 4px 4px 4px rgb(147, 128,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 9.813, 55.522 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, 118) }
```

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

```
.background{ background-color: rgb(147,  
128, 118) }
```

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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