

Converting Colors

CIELCh(55, 0.965, 52.870)

Have a look what the booklet for
CIELCh(55, 0.965, 52.870) contains.

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Color

CIELCh(55, 0.971, 55.155)

Conversions

Conversions Part 1

Format	Color
Hex	858382
RGB	133, 131, 130
RGB Percent	52%, 51%, 51%
CMY	0.4774, 0.4852, 0.4892
CMYK	0.00, 0.01, 0.02, 0.48
HSL	20°, 1%, 52%
HSV	20°, 2%, 52%
XYZ	21.9129, 22.9298, 24.4823
YIQ	131.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

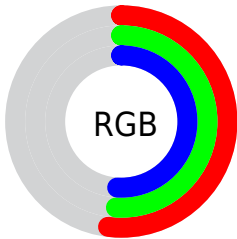
Format	Color
R_{YB}	133, 132, 130
Decimal	8749954
CIE Lab	55.00, 0.55, 0.80
CIE LCh	55, 0.971, 55.155
Yxy	22.9298, 0.3161, 0.3308
Android (android.graphics.Color)	4286940034 (0xFF858382)
YUV	131.4840, -0.7316, 1.3295
Hunter-Lab	47.8851, -2.1150, 3.2063

Details

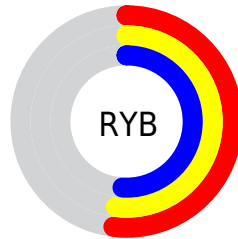
The CIELCh color $55, 0.971, 55.155$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $55, 0.968, 236.346$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 0.910, 55.065$, and $35, 1.058, 55.193$ is the 20% darker color. If you saturate the color by 10%, you get $52, 5.478, 54.804$, and if you desaturate by 10%, it is $58, 3.250, 236.518$.

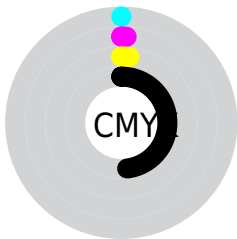
Distribution



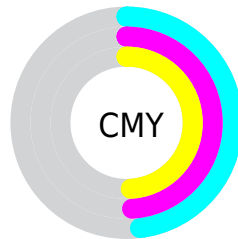
- Red (52%)
- Green (51%)
- Blue (51%)



- Red (52%)
- Yellow (52%)
- Blue (51%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (48%)



- Cyan (48%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 0.971, 55.155 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, 0.971, 55.155 by changing the saturation by 10% instead.

 55, 0.971, 55.155  55, 0.971, 55.155

100, 0.971, 55.155  45, 0.971, 55.155


 75, 0.971, 55.155  35, 0.971, 55.155

 85, 0.971, 55.155  25, 0.971, 55.155

 95, 0.971, 55.155  15, 0.971, 55.155

 5, 0.971, 55.155

 0, 0.971, 55.155

 55, 0.971, 55.155  55, 0.971, 55.155

 52, 5.478, 54.804  58, 3.250, 236.518

 49, 10.304, 54.119  61, 7.215, 237.250

47, 15.478, 53.470

64, 10.955,
238.029

44, 21.019, 52.889

67, 14.497,
238.811

41, 26.933, 52.391

39, 33.188, 51.973

69, 17.864,
239.584

37, 39.681, 51.603

72, 21.078,
240.343

35, 46.170, 51.170

33, 52.133, 50.409

75, 24.157,
241.082

78, 27.118,
241.799

81, 29.974,
242.493

Harmonies

Complementary

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



55, 0.971, 55.155



55, 0.968, 236.346

Rectangle

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



55, 0.971, 55.155



55, 0.971, 105.155



55, 0.971, 235.155



55, 0.971, 285.155

Sweetspot

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



55, 0.971, 55.254



71, 0.530, 54.895



55, 1.666, 335.661



37, 0.300, 54.838



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



55, 0.971, 55.254



70, 1.610, 55.291



55, 1.436, 102.027



27, 0.974, 55.290



31, 55.467, 50.027



0, 0.579, 55.791

Inverse Universe

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



55, 0.968, 236.346



70, 1.595, 236.314



55, 1.454, 282.643



28, 0.962, 236.319



35, 30.952, 260.547



0, 0.579, 235.809

Previews

White Background



This preview shows how the CIELCh color 55, 0.971, 55.155 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, 0.971, 55.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

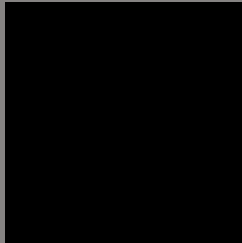
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

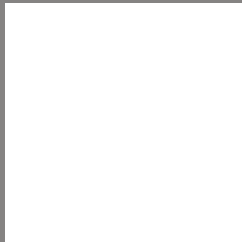
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 0.971, 55.155

Background



This preview shows how black text looks on a background with the CIELCh color 55, 0.971, 55.155.



This preview shows how white text looks on a background with the CIELCh color 55, 0.971, 55.155.

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, 0.971, 55.155

Protanopia

55, 1.316, 44.993

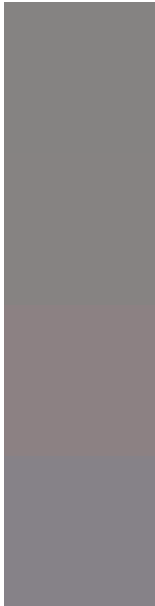
Deuteranopia

55, 7.208, 1.651



Tritanopia
55, 6.093, 309.359

Trichromacy



Original Color

55, 0.971, 55.155

Protanomaly

55, 1.316, 44.993

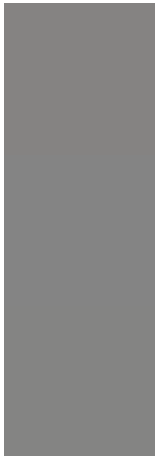
Deuteranomaly

55, 4.553, 5.255

Tritanomaly

55, 3.810, 314.810

Monochromacy



Original Color

55, 0.971, 55.155

Achromatopsia

55, 0.007, 296.813

Achromatomaly

55, 0.566, 110.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 0.971, 55.155 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(133, 131, 130)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 130)  
}
```

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(133, 131, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 0.971, 55.155 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(133, 131, 130) }
```

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

```
.border{ border-color:rgb(133, 131, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 131, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 131, 130);  
box-shadow:4px 4px 4px 4px rgb(133, 131,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 0.971, 55.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 130) }
```

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

```
.background{ background-color: rgb(133,  
131, 130) }
```

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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