

Converting Colors

CIELCh(55, 1.610, 19.338)

Have a look what the booklet for
CIELCh(55, 1.610, 19.338) contains.

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Color

CIELCh(55, 1.589, 19.317)

Conversions

Conversions Part 1

Format	Color
Hex	878383
RGB	135, 131, 131
RGB Percent	53%, 51%, 51%
CMY	0.4715, 0.4872, 0.4872
CMYK	0.00, 0.03, 0.03, 0.47
HSL	0°, 2%, 52%
HSV	0°, 3%, 53%
XYZ	22.1161, 22.9298, 24.6465
YIQ	132.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

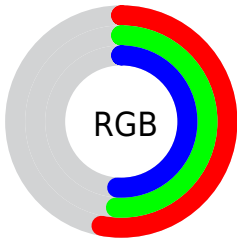
Format	Color
R_{YB}	135, 131, 131
Decimal	8881027
CIE Lab	55.00, 1.50, 0.53
CIE LCh	55, 1.589, 19.317
Yxy	22.9298, 0.3173, 0.3290
Android (android.graphics.Color)	4287071107 (0xFF878383)
YUV	132.1960, -0.5896, 2.4591
Hunter-Lab	47.8851, -1.3575, 3.0030

Details

The CIELCh color $55, 1.589, 19.317$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $56, 1.559, 199.560$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 1.491, 19.179$, and $35, 1.295, 19.370$ is the 20% darker color. If you saturate the color by 10%, you get $51, 7.207, 20.223$, and if you desaturate by 10%, it is $59, 3.621, 199.224$.

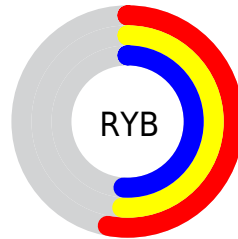
Distribution



Red (53%)

Green (51%)

Blue (51%)



Red (53%)

Yellow (51%)

Blue (51%)

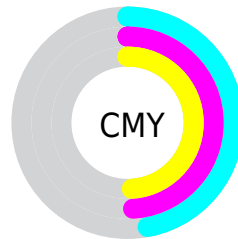


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 1.589, 19.317 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, 1.589, 19.317 by changing the saturation by 10% instead.

■ 55, 1.589, 19.317 ■ 55, 1.589, 19.317

100, 1.589, 19.317 ■ 45, 1.589, 19.317

■ 75, 1.589, 19.317 ■ 35, 1.589, 19.317

■ 85, 1.589, 19.317 ■ 25, 1.589, 19.317

■ 95, 1.589, 19.317 ■ 15, 1.589, 19.317

■ 5, 1.589, 19.317

■ 0, 1.589, 19.317

■ 55, 1.589, 19.317 ■ 55, 1.589, 19.317

■ 51, 7.207, 20.223 ■ 59, 3.621, 199.224

■ 47, 13.258, 21.088 ■ 63, 8.453, 198.748

43, 19.737, 22.181

67, 12.946,
198.401

40, 26.604, 23.591

72, 17.138,
198.126

36, 33.764, 25.415

33, 41.060, 27.752

76, 21.065,
197.902

31, 48.267, 30.656

80, 24.759,
197.717

29, 55.070, 34.024

28, 60.757, 37.218

84, 28.250,
197.564

88, 31.563,
197.435

92, 34.719,
197.326

Harmonies

Complementary

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



55, 1.589, 19.317



56, 1.559, 199.560

Rectangle

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



55, 1.589, 19.317



55, 1.589, 69.317



55, 1.589, 199.317



55, 1.589, 249.317

Sweetspot

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



55, 1.588, 19.366



71, 0.661, 18.757



55, 2.802, 324.530



38, 0.379, 18.699



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, 1.588, 19.366



70, 2.673, 19.504



56, 1.380, 74.876



27, 1.498, 19.551



26, 62.111, 38.519



0, 0.707, 19.454

Inverse Universe

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



56, 1.559, 199.560



71, 2.607, 199.429



55, 1.381, 255.968



28, 1.457, 199.385



49, 30.384, 196.474



1, 0.707, 199.471

Previews

White Background



This preview shows how the CIELCh color 55, 1.589, 19.317 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, 1.589, 19.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

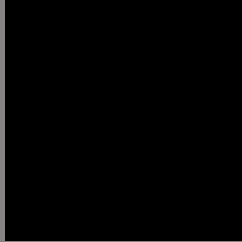
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

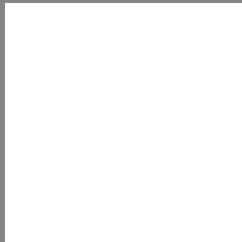
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 1.589, 19.317

Background



This preview shows how black text looks on a background with the CIELCh color 55, 1.589, 19.317.

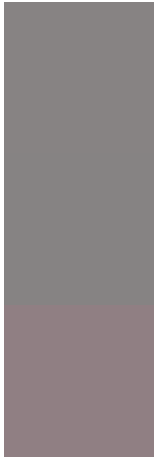


This preview shows how white text looks on a background with the CIELCh color 55, 1.589, 19.317.

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, 1.589, 19.317

Protanopia

55, 1.190, 19.191

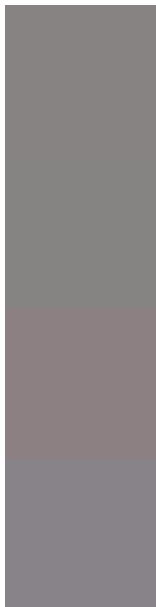
Deuteranopia

55, 7.208, 1.651



Tritanopia
55, 6.919, 313.981

Trichromacy



Original Color
55, 1.589, 19.317

Protanomaly
55, 1.190, 19.191

Deuteranomaly
55, 5.490, 1.709

Tritanomaly
55, 4.684, 320.684

Monochromacy



Original Color
55, 1.589, 19.317

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 0.396, 18.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 1.589, 19.317 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, 131)` looks like.

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

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, 131) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 55, 1.589, 19.317 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, 131) }
```

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

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

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, 131)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 55, 1.589, 19.317 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, 131) }
```

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

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

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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