

Converting Colors

CIELCh(55, 1.416, 19.103)

Have a look what the booklet for
CIELCh(55, 1.416, 19.103) contains.

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Color

CIELCh(55, 1.190, 19.191)

Conversions

Conversions Part 1

Format	Color
Hex	868383
RGB	134, 131, 131
RGB Percent	53%, 51%, 51%
CMY	0.4746, 0.4864, 0.4864
CMYK	0.00, 0.02, 0.02, 0.47
HSL	0°, 1%, 52%
HSV	0°, 2%, 53%
XYZ	22.0351, 22.9298, 24.7281
YIQ	131.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

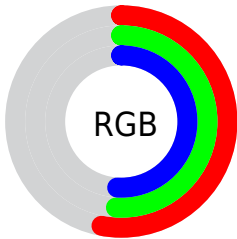
Format	Color
R_{YB}	134, 131, 131
Decimal	8815491
CIE Lab	55.00, 1.12, 0.39
CIE LCh	55, 1.190, 19.191
Yxy	22.9298, 0.3162, 0.3290
Android (android.graphics.Color)	4287005571 (0xFF868383)
YUV	131.8970, -0.4422, 1.8443
Hunter-Lab	47.8851, -1.6593, 2.9019

Details

The CIELCh color $55, 1.190, 19.191$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $56, 1.172, 199.703$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 1.117, 19.033$, and $35, 0.862, 19.194$ is the 20% darker color. If you saturate the color by 10%, you get $51, 6.750, 20.183$, and if you desaturate by 10%, it is $59, 3.966, 199.199$.

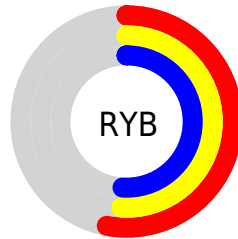
Distribution



Red (53%)

Green (51%)

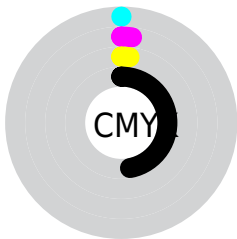
Blue (51%)



Red (53%)

Yellow (51%)

Blue (51%)

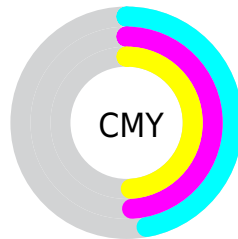


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (47%)



Cyan (47%)


Magenta (49%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 1.190, 19.191 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, 1.190, 19.191 by changing the saturation by 10% instead.

 55, 1.190, 19.191  55, 1.190, 19.191

 100, 1.190, 19.191  45, 1.190, 19.191

 75, 1.190, 19.191  35, 1.190, 19.191


 85, 1.190, 19.191  25, 1.190, 19.191

 95, 1.190, 19.191  15, 1.190, 19.191

 5, 1.190, 19.191

 0, 1.190, 19.191

 55, 1.190, 19.191  55, 1.190, 19.191

 51, 6.750, 20.183  59, 3.966, 199.199

 47, 12.738, 21.033  63, 8.748, 198.739

43, 19.154, 22.105

67, 13.196,
198.399

40, 25.961, 23.486

72, 17.347,
198.128

36, 33.069, 25.273

33, 40.327, 27.565

76, 21.237,
197.908

31, 47.517, 30.422

80, 24.898,
197.726

29, 54.335, 33.761

28, 60.136, 37.018

84, 28.359,
197.575

88, 31.643,
197.449

92, 34.774,
197.342

Harmonies

Complementary

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



55, 1.190, 19.191



56, 1.172, 199.703

Rectangle

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



55, 1.190, 19.191



55, 1.190, 69.191



55, 1.190, 199.191



55, 1.190, 249.191

Sweetspot

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



55, 1.189, 19.256



70, 0.653, 18.774



55, 2.104, 324.469



37, 0.370, 18.713



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, 1.189, 19.256



69, 1.973, 19.398



55, 1.033, 74.895



27, 1.194, 19.472



26, 62.108, 38.523



0, 0.706, 19.471

Inverse Universe

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



56, 1.172, 199.703



70, 1.936, 199.565



55, 1.039, 255.945



28, 1.168, 199.493



49, 30.375, 196.505



1, 0.706, 199.488

Previews

White Background



This preview shows how the CIELCh color 55, 1.190, 19.191 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, 1.190, 19.191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

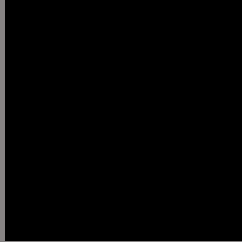
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

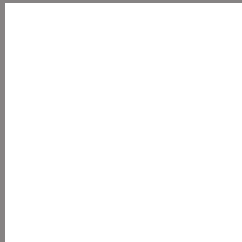
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 1.190, 19.191

Background



This preview shows how black text looks on a background with the CIELCh color 55, 1.190, 19.191.

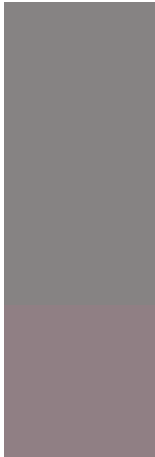


This preview shows how white text looks on a background with the CIELCh color 55, 1.190, 19.191.

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, 1.190, 19.191

Protanopia

55, 1.190, 19.191

Deuteranopia

55, 7.397, 357.426



Tritanopia
55, 6.093, 309.359

Trichromacy



Original Color

55, 1.190, 19.191

Protanomaly

55, 1.190, 19.191

Deuteranomaly

55, 5.321, 354.402

Tritanomaly

55, 4.498, 316.359

Monochromacy



Original Color

55, 1.190, 19.191

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, 1.190, 19.191 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(134, 131, 131)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 131, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 131, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 1.190, 19.191 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(134, 131, 131) }
```

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

```
.border{ border-color:rgb(134, 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(134, 131, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 131, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 131, 131);  
box-shadow:4px 4px 4px 4px rgb(134, 131,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 1.190, 19.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 131, 131) }
```

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

```
.background{ background-color: rgb(134,  
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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