

Converting Colors

CIELCh(55, 1.645, 63.331)

Have a look what the booklet for
CIELCh(55, 1.645, 63.331) contains.

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Color

CIELCh(55, 1.645, 63.331)

Conversions

Conversions Part 1

Format	Color
Hex	868381
RGB	134, 131, 129
RGB Percent	53%, 51%, 51%
CMY	0.4740, 0.4858, 0.4937
CMYK	0.00, 0.02, 0.04, 0.47
HSL	24°, 2%, 52%
HSV	24°, 4%, 53%
XYZ	21.9522, 22.9298, 24.0780
YIQ	131.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

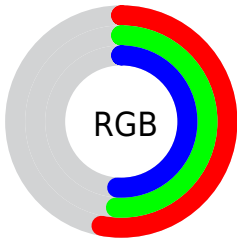
Format	Color
R_{YB}	134, 132, 129
Decimal	8815489
CIE _{Lab}	55.00, 0.74, 1.47
CIE _{LCh}	55, 1.645, 63.331
Yxy	22.9298, 0.3183, 0.3325
Android (android.graphics.Color)	4287005569 (0xFF868381)
YUV	131.6690, -1.3158, 2.0443
Hunter-Lab	47.8851, -1.9682, 3.7068

Details

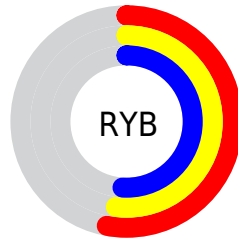
The CIELCh color $55, 1.645, 63.331$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $55, 1.630, 244.534$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 1.541, 63.354$, and $35, 1.508, 74.764$ is the 20% darker color. If you saturate the color by 10%, you get $52, 6.249, 62.558$, and if you desaturate by 10%, it is $58, 2.701, 244.696$.

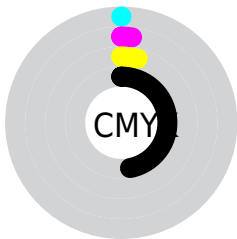
Distribution



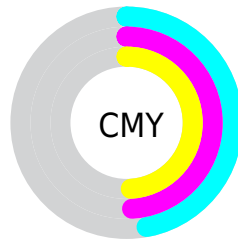
- Red (53%)
- Green (51%)
- Blue (51%)



- Red (53%)
- Yellow (52%)
- Blue (51%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (47%)



- Cyan (47%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 1.645, 63.331 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, 1.645, 63.331 by changing the saturation by 10% instead.

 55, 1.645, 63.331  55, 1.645, 63.331

 100, 1.645, 63.331  45, 1.645, 63.331

 75, 1.645, 63.331  35, 1.645, 63.331

 85, 1.645, 63.331  25, 1.645, 63.331

 95, 1.645, 63.331  15, 1.645, 63.331

 5, 1.645, 63.331

 0, 1.645, 63.331

 55, 1.645, 63.331  55, 1.645, 63.331

 52, 6.249, 62.558  58, 2.701, 244.696

 50, 11.137, 61.617  60, 6.818, 245.598

47, 16.334, 60.688

63, 10.732,
246.542

45, 21.852, 59.791

66, 14.466,
247.475

43, 27.687, 58.931

40, 33.792, 58.098

68, 18.043,
248.385

38, 40.039, 57.240

71, 21.480,
249.268

36, 46.138, 56.229

34, 51.546, 54.807

74, 24.796,
250.121

76, 28.004,
250.942

79, 31.116,
251.731

Harmonies

Complementary

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



55, 1.645, 63.331



55, 1.630, 244.534

Rectangle

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



55, 1.645, 63.331



55, 1.645, 113.331



55, 1.645, 243.331



55, 1.645, 293.331

Sweetspot

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



55, 1.645, 63.390



71, 0.536, 63.113



55, 2.643, 338.795



37, 0.303, 63.063



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, 1.645, 63.390



70, 2.179, 63.372



56, 2.572, 105.403



27, 1.236, 63.345



32, 53.729, 54.291



0, 0.587, 63.949

Inverse Universe

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



55, 1.630, 244.534



70, 2.155, 244.554



54, 2.601, 286.215



27, 1.219, 244.585



32, 34.967, 270.791



0, 0.587, 243.966

Previews

White Background



This preview shows how the CIELCh color 55, 1.645, 63.331 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, 1.645, 63.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

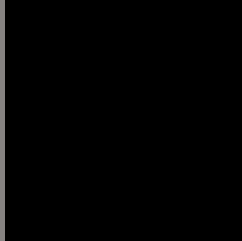
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

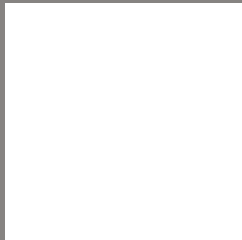
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 1.645, 63.331

Background



This preview shows how black text looks on a background with the CIELCh color 55, 1.645, 63.331.



This preview shows how white text looks on a background with the CIELCh color 55, 1.645, 63.331.

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, 1.645, 63.331

Protanopia
55, 1.645, 63.331

Deuteranopia
55, 7.460, 6.898



Tritanopia
55, 6.919, 313.981

Trichromacy



Original Color
55, 1.645, 63.331

Protanomaly
55, 1.645, 63.331

Deuteranomaly
55, 5.348, 7.561

Tritanomaly
55, 3.990, 319.950

Monochromacy



Original Color
55, 1.645, 63.331

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 0.687, 74.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 1.645, 63.331 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(134, 131, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 131, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 1.645, 63.331 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, 129) }
```

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

```
.border{ border-color:rgb(134, 131, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 131, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 131, 129);  
box-shadow:4px 4px 4px 4px rgb(134, 131,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 1.645, 63.331 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, 129) }
```

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

```
.background{ background-color: rgb(134,  
131, 129) }
```

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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