

Converting Colors

CIELCh(55, 3.267, 80.307)

Have a look what the booklet for
CIELCh(55, 3.267, 80.307) contains.

CIELCh(55, 3.271, 80.307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 3.271, 80.307)

Conversions

Conversions Part 1

Format	Color
Hex	87837E
RGB	135, 131, 126
RGB Percent	53%, 51%, 49%
CMY	0.4702, 0.4858, 0.5055
CMYK	0.00, 0.03, 0.07, 0.47
HSL	33°, 4%, 51%
HSV	33°, 7%, 53%
XYZ	21.9120, 22.9298, 23.0454
YIQ	131.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

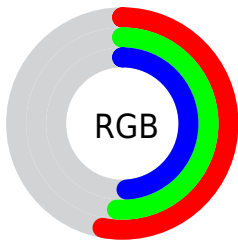
Format	Color
RYB	133, 135, 126
Decimal	8881022
CIELab	55.00, 0.55, 3.22
CIELCh	55, 3.271, 80.307
Yxy	22.9298, 0.3228, 0.3378
Android (android.graphics.Color)	4287071102 (0xFF87837E)
YUV	131.6260, -2.7736, 2.9590
Hunter-Lab	47.8851, -2.1182, 4.9854

Details

The CIELCh color $55, 3.271, 80.307$ is a dark color, and the websafe version is hex `999999`. A complement of this color would be $54, 3.248, 262.125$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 3.067, 80.493$, and $35, 3.369, 86.524$ is the 20% darker color. If you saturate the color by 10%, you get $53, 8.338, 79.142$, and if you desaturate by 10%, it is $57, 1.620, 261.762$.

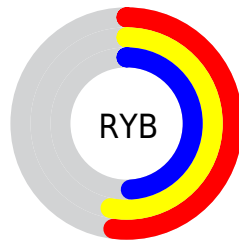
Distribution



Red (53%)

Green (51%)

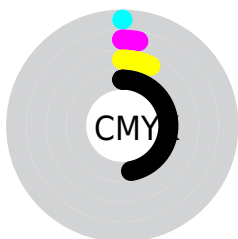
Blue (49%)



Red (52%)

Yellow (53%)

Blue (49%)

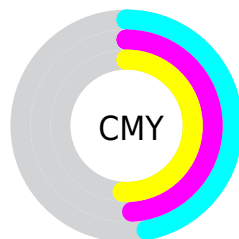


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 3.271, 80.307 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, 3.271, 80.307 by changing the saturation by 10% instead.

 55, 3.271, 80.307  55, 3.271, 80.307

 100, 3.271, 80.307  45, 3.271, 80.307

 75, 3.271, 80.307  35, 3.271, 80.307

 85, 3.271, 80.307  25, 3.271, 80.307

 95, 3.271, 80.307  15, 3.271, 80.307

 5, 3.271, 80.307

 0, 3.271, 80.307

 55, 3.271, 80.307  55, 3.271, 80.307

 53, 8.338, 79.142  57, 1.620, 261.762

 51, 13.589, 77.885  59, 6.352, 262.815

49, 19.027, 76.595

61, 10.938,
263.920

47, 24.635, 75.276

63, 15.394,
264.989

45, 30.368, 73.922

44, 36.114, 72.506

65, 19.732,
266.014

42, 41.656, 70.963

68, 23.966,
266.993

40, 46.593, 69.161

39, 50.560, 66.994

70, 28.105,
267.926

72, 32.161,
268.812

74, 36.141,
269.654

Harmonies

Complementary

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



55, 3.271, 80.307



54, 3.248, 262.125

Rectangle

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



55, 3.271, 80.307



55, 3.271, 130.307



55, 3.271, 260.307



55, 3.271, 310.307

Sweetspot

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



55, 3.272, 80.335



71, 1.204, 80.725



54, 4.296, 346.916



38, 0.689, 80.724



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, 3.272, 80.335



70, 4.889, 80.163



56, 5.132, 111.575



27, 2.741, 80.055



37, 50.561, 66.529



0, 0.648, 81.209

Inverse Universe

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



54, 3.248, 262.125



69, 4.838, 262.314



53, 5.216, 292.743



26, 2.706, 262.435



26, 47.400, 287.735



0, 0.649, 261.220

Previews

White Background



This preview shows how the CIE LCh color 55, 3.271, 80.307 looks on a white background.

Color Contrast Check

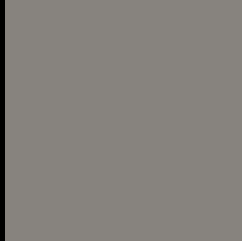
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 3.271, 80.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

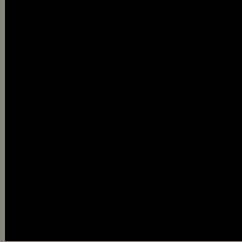
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

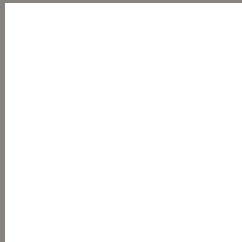
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 3.271, 80.307

Background



This preview shows how black text looks on a background with the CIELCh color 55, 3.271, 80.307.



This preview shows how white text looks on a background with the CIELCh color 55, 3.271, 80.307.

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, 3.271, 80.307

Protanopia

55, 3.271, 80.307

Deuteranopia

55, 7.732, 20.188



Tritanopia
55, 6.574, 319.093

Trichromacy



Original Color
55, 3.271, 80.307

Protanomaly
55, 3.271, 80.307

Deuteranomaly
55, 5.700, 25.684

Tritanomaly
55, 3.320, 335.883

Monochromacy



Original Color
55, 3.271, 80.307

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 1.202, 90.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 3.271, 80.307 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(135, 131, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 131, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 3.271, 80.307 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, 126) }
```

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

```
.border{ border-color:rgb(135, 131, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 131, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 131, 126);  
box-shadow:4px 4px 4px 4px rgb(135, 131,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 3.271, 80.307 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, 126) }
```

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

```
.background{ background-color: rgb(135,  
131, 126) }
```

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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