

Converting Colors

CIELCh(55, 10.270, 6.055)

Have a look what the booklet for
CIELCh(55, 10.270, 6.055) contains.

CIELCh(55, 9.984, 7.286)	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, 9.984, 7.286)

Conversions

Conversions Part 1

Format	Color
Hex	967E82
RGB	150, 126, 130
RGB Percent	59%, 49%, 51%
CMY	0.4127, 0.5068, 0.4911
CMYK	0.00, 0.16, 0.13, 0.41
HSL	350°, 10%, 54%
HSV	350°, 16%, 59%
XYZ	23.9791, 22.9298, 24.2000
YIQ	133.6320, 13.0200, 6.3320

Conversions

Conversions Part 2

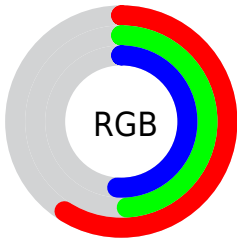
Format	Color
R_{YB}	150, 126, 130
Decimal	9862786
CIE _{Lab}	55.00, 9.90, 1.27
CIE _{LCh}	55, 9.984, 7.286
Yxy	22.9298, 0.3372, 0.3225
Android (android.graphics.Color)	4288052866 (0xFF967E82)
YUV	133.6320, -1.7906, 14.3547
Hunter-Lab	47.8851, 5.5874, 3.5559

Details

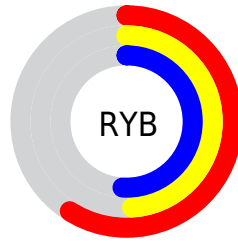
The CIELCh color $55, 9.984, 7.286$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $60, 9.321, 184.518$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 9.714, 7.431$, and $35, 10.034, 6.731$ is the 20% darker color. If you saturate the color by 10%, you get $51, 16.641, 8.480$, and if you desaturate by 10%, it is $59, 3.649, 6.238$.

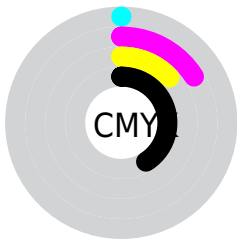
Distribution



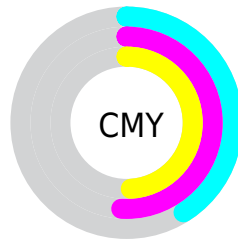
- Red (59%)
- Green (49%)
- Blue (51%)



- Red (59%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (16%)
- Yellow (13%)
- Black (41%)



- Cyan (41%)
- Magenta (51%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 9.984, 7.286 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, 9.984, 7.286 by changing the saturation by 10% instead.

■ 55, 9.984, 7.286

■ 55, 9.984, 7.286

■ 100, 9.984, 7.286

■ 45, 9.984, 7.286

■ 75, 9.984, 7.286

■ 35, 9.984, 7.286

■ 85, 9.984, 7.286

■ 25, 9.984, 7.286

■ 95, 9.984, 7.286

■ 15, 9.984, 7.286

■ 5, 9.984, 7.286

■ 0, 9.984, 7.286

■ 55, 9.984, 7.286

■ 55, 9.984, 7.286

■ 51, 16.641, 8.480

■ 59, 3.649, 6.238

■ 47, 23.567, 9.907

■ 64, 2.341, 185.695

43, 30.649, 11.662

68, 7.991, 184.844

39, 37.710, 13.856

73, 13.322,
184.189

36, 44.516, 16.621

77, 18.357,
183.618

34, 50.818, 20.089

32, 56.433, 24.324

82, 23.125,
183.110

31, 61.348, 29.141

86, 27.653,
182.654

31, 63.307, 30.907

91, 31.967,
182.240

94, 33.677,
185.839

Harmonies

Complementary

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



55, 9.984, 7.286



60, 9.321, 184.518

Rectangle

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



55, 9.984, 7.286



55, 9.984, 57.286



55, 9.984, 187.286



55, 9.984, 237.286

Sweetspot

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



55, 9.982, 7.293



76, 3.731, 6.135



55, 15.813, 320.498



39, 2.543, 6.207



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 9.982, 7.293



68, 14.742, 7.670



57, 7.989, 54.438



29, 3.420, 6.573



28, 59.308, 30.469



1, 2.919, 5.828

Inverse Universe

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



55, 9.982, 7.293



68, 14.742, 7.670



58, 7.367, 237.240



29, 3.420, 6.573



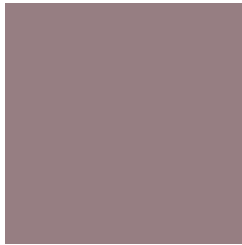
28, 59.308, 30.469



1, 2.919, 5.828

Previews

White Background



This preview shows how the CIELCh color 55, 9.984, 7.286 looks on a white background.

Color Contrast Check

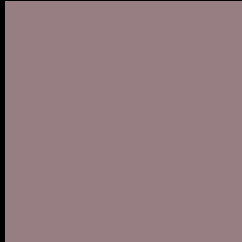
Large Text (above 18pt) WCAG AA ✓ Pass

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, 9.984, 7.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

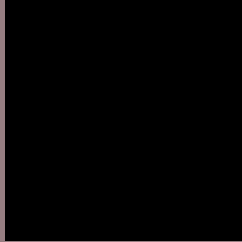
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 9.984, 7.286

Background



This preview shows how black text looks on a background with the CIELCh color 55, 9.984, 7.286.



This preview shows how white text looks on a background with the CIELCh color 55, 9.984, 7.286.

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, 9.984, 7.286

Protanopia

55, 1.663, 335.659

Deuteranopia

55, 7.367, 11.245



Tritanopia
55, 11.513, 350.921

Trichromacy



Original Color

55, 9.984, 7.286

Protanomaly

55, 4.723, 358.517

Deuteranomaly

55, 8.182, 12.246

Tritanomaly

55, 11.034, 356.165

Monochromacy



Original Color

55, 9.984, 7.286

Achromatopsia

56, 0.007, 296.813

Achromatomaly

55, 3.773, 2.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 9.984, 7.286 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(150, 126, 130)` looks like.

```
.text, #text, p{  
    color:rgb(150, 126, 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(150, 126, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 126, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 9.984, 7.286 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(150, 126, 130) }
```

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

```
.border{ border-color:rgb(150, 126, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 126, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 126, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 126, 130);  
box-shadow:4px 4px 4px 4px rgb(150, 126,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 9.984, 7.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 126, 130) }
```

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

```
.background{ background-color: rgb(150,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor