

Converting Colors

CIELCh(55, 12.246, 35.091)

Have a look what the booklet for
CIELCh(55, 12.246, 35.091) contains.

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Color

CIELCh(55, 12.485, 33.776)

Conversions

Conversions Part 1

Format	Color
Hex	9A7D78
RGB	154, 125, 120
RGB Percent	60%, 49%, 47%
CMY	0.3957, 0.5094, 0.5290
CMYK	0.00, 0.19, 0.22, 0.40
HSL	9°, 14%, 54%
HSV	9°, 22%, 60%
XYZ	24.0873, 22.9298, 20.9560
YIQ	133.1010, 18.8890, 4.5930

Conversions

Conversions Part 2

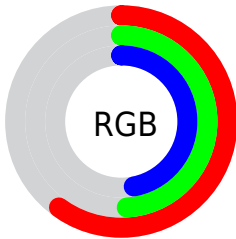
Format	Color
RYB	154, 126, 120
Decimal	10124664
CIELab	55.00, 10.38, 6.94
CIElCh	55, 12.485, 33.776
Yxy	22.9298, 0.3544, 0.3373
Android (android.graphics.Color)	4288314744 (0xFF9A7D78)
YUV	133.1010, -6.4588, 18.3284
Hunter-Lab	47.8851, 5.9906, 7.5724

Details

The CIELCh color $55, 12.485, 33.776$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $60, 10.776, 213.812$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 12.496, 35.200$, and $35, 12.290, 32.695$ is the 20% darker color. If you saturate the color by 10%, you get $51, 18.899, 34.155$, and if you desaturate by 10%, it is $59, 6.553, 33.553$.

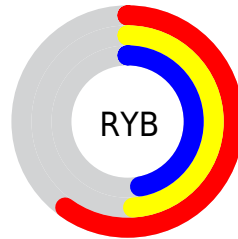
Distribution



Red (60%)

Green (49%)

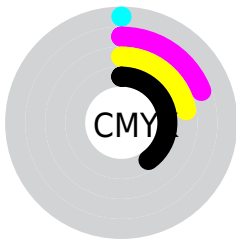
Blue (47%)



Red (60%)

Yellow (49%)

Blue (47%)

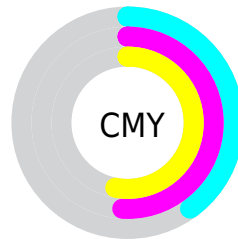


Cyan (0%)

Magenta (19%)

Yellow (22%)

Black (40%)



Cyan (40%)

Magenta (51%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 12.485, 33.776 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, 12.485, 33.776 by changing the saturation by 10% instead.

■ 55, 12.485, 33.776

■ 55, 12.485, 33.776

■ 100, 12.485,
33.776

■ 45, 12.485, 33.776

■ 75, 12.485, 33.776

■ 35, 12.485, 33.776

■ 85, 12.485, 33.776

■ 25, 12.485, 33.776

■ 95, 12.485, 33.776

■ 15, 12.485, 33.776

■ 5, 12.485, 33.776

■ 0, 12.485, 33.776

■ 55, 12.485, 33.776

■ 55, 12.485, 33.776

■ 51, 18.899, 34.155

■ 59, 6.553, 33.553

■ 48, 25.810, 34.724

■ 63, 1.077, 33.123

44, 33.195, 35.541

67, 3.983, 213.676

41, 40.981, 36.649

71, 8.670, 213.698

38, 49.012, 38.050

75, 13.026,
213.816

36, 56.963, 39.642

79, 17.090,
213.979

34, 64.135, 41.059

33, 68.999, 42.167

83, 20.898,
214.171

87, 24.482,
214.383

91, 27.679,
210.443

Harmonies

Complementary

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



55, 12.485, 33.776



60, 10.776, 213.812

Rectangle

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



55, 12.485, 33.776



55, 12.485, 83.776



55, 12.485, 213.776



55, 12.485, 263.776

Sweetspot

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



55, 12.484, 33.785



78, 4.636, 33.451



55, 21.391, 329.584



41, 3.043, 33.464



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



55, 12.484, 33.785



69, 18.635, 33.929



59, 13.211, 85.587



30, 3.016, 33.497



30, 63.878, 41.968



1, 3.157, 33.267

Inverse Universe

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



60, 10.776, 213.812



76, 15.558, 213.928



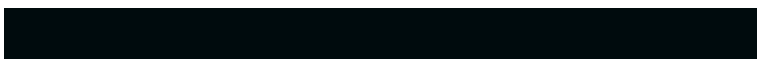
55, 13.030, 271.531



32, 2.848, 213.665



46, 27.971, 223.352



2, 3.123, 214.960

Previews

White Background



This preview shows how the CIELCh color 55, 12.485, 33.776 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, 12.485, 33.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

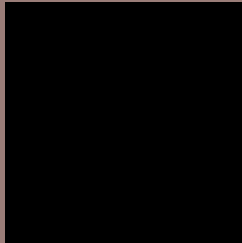
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 12.485, 33.776

Background



This preview shows how black text looks on a background with the CIELCh color 55, 12.485, 33.776.



This preview shows how white text looks on a background with the CIELCh color 55, 12.485, 33.776.

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, 12.485, 33.776

Protanopia

55, 4.998, 85.598

Deuteranopia

55, 10.020, 43.676



Tritanopia
55, 14.461, 357.854

Trichromacy



Original Color
55, 12.485, 33.776

Protanomaly
55, 7.018, 54.535

Deuteranomaly
55, 11.003, 38.482

Tritanomaly
55, 12.866, 10.653

Monochromacy



Original Color
55, 12.485, 33.776

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 4.580, 34.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 12.485, 33.776 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(154, 125, 120)` looks like.

```
.text, #text, p{  
    color:rgb(154, 125, 120)  
}
```

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(154, 125, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 125, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 12.485, 33.776 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(154, 125, 120) }
```

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

```
.border{ border-color:rgb(154, 125, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 125, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 125, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 125, 120);  
box-shadow:4px 4px 4px 4px rgb(154, 125,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 12.485, 33.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 125, 120) }
```

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

```
.background{ background-color: rgb(154,  
125, 120) }
```

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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