

Converting Colors

CIELCh(55, 31.990, 316.133)

Have a look what the booklet for
CIELCh(55, 31.990, 316.133)
contains.

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Color

CIELCh(55, 31.842, 315.936)

Conversions

Conversions Part 1

Format	Color
Hex	9977AA
RGB	153, 119, 170
RGB Percent	60%, 47%, 67%
CMY	0.3993, 0.5327, 0.3327
CMYK	0.10, 0.30, 0.00, 0.33
HSL	280°, 23%, 57%
HSV	280°, 30%, 67%
XYZ	27.0570, 22.9298, 41.1152
YIQ	134.9800, 3.8930, 23.0690

Conversions

Conversions Part 2

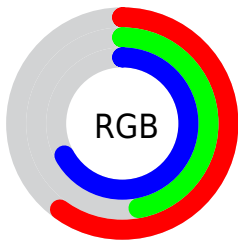
Format	Color
R_{YB}	153, 119, 170
Decimal	10057642
CIE _{Lab}	55.00, 22.88, -22.14
CIE _{LCh}	55, 31.842, 315.936
Yxy	22.9298, 0.2970, 0.2517
Android (android.graphics.Color)	4288247722 (0xFF9977AA)
YUV	134.9800, 17.2649, 15.8035
Hunter-Lab	47.8851, 17.0606, -17.3881

Details

The CIELCh color $55, 31.842, 315.936$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $66, 31.050, 133.293$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 31.354, 316.077$, and $35, 32.046, 315.674$ is the 20% darker color. If you saturate the color by 10%, you get $50, 42.639, 316.362$, and if you desaturate by 10%, it is $60, 21.050, 315.498$.

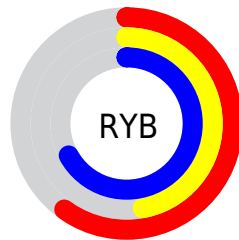
Distribution



Red (60%)

Green (47%)

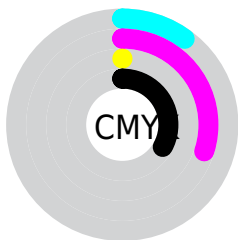
Blue (67%)



Red (60%)

Yellow (47%)

Blue (67%)

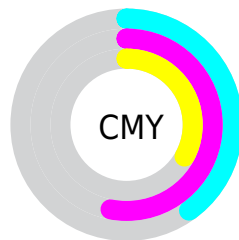


Cyan (10%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (40%)


Magenta (53%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 31.842, 315.936 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, 31.842, 315.936 by changing the saturation by 10% instead.


 55, 31.842,
315.936


 55, 31.842,
315.936


 100, 31.842,
315.936


 45, 31.842,
315.936


 75, 31.842,
315.936

 35, 31.842,
315.936

 85, 31.842,
315.936

 25, 31.842,
315.936

 95, 31.842,
315.936

 15, 31.842,
315.936

 5, 31.842, 315.936

 0, 31.842, 315.936

55, 31.842,
315.936

55, 31.842,
315.936

50, 42.639,
316.362

60, 21.050,
315.498

46, 53.232,
316.749

65, 10.404,
315.063

42, 63.293,
317.057

70, 0.019, 142.647

38, 72.373,
317.234

75, 10.177,
134.304

35, 79.922,
317.213

80, 20.052,
133.945

32, 85.395,
316.924

85, 29.638,
133.623


31, 88.960,
316.396

90, 38.941,
133.332

31, 88.969,

95, 47.793,
133.039

316.394

 95, 46.875,
130.890

Harmonies

Complementary

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



55, 31.842, 315.936



66, 31.050, 133.293

Rectangle

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



55, 31.842, 315.936



55, 31.842, 5.936



55, 31.842, 135.936



55, 31.842, 185.936

Sweetspot

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



55, 31.840, 315.936



83, 11.639, 315.028



57, 20.072, 275.670



43, 8.165, 315.090



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



55, 31.840, 315.936



67, 47.605, 316.223



56, 30.765, 331.218



33, 5.846, 315.033



26, 80.195, 316.509



1, 10.363, 312.137

Inverse Universe

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



56, 22.579, 356.889



68, 33.864, 357.831



65, 30.675, 147.197



33, 4.090, 354.492



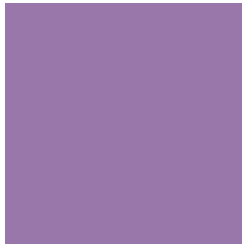
31, 57.335, 16.963



2, 7.155, 356.873

Previews

White Background



This preview shows how the CIELCh color 55, 31.842, 315.936 looks on a white background.

Color Contrast Check

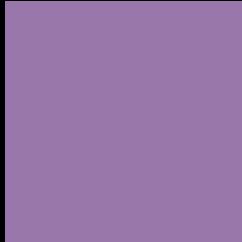
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.842, 315.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

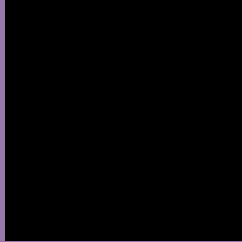
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 31.842, 315.936

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.842, 315.936.



This preview shows how white text looks on a background with the CIELCh color 55, 31.842, 315.936.

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, 31.842, 315.936

Protanopia
55, 27.717, 285.247

Deuteranopia
55, 22.427, 290.177



Tritanopia
55, 10.470, 347.438

Trichromacy



Original Color
55, 31.842, 315.936

Protanomaly
55, 28.307, 296.928

Deuteranomaly
55, 25.723, 301.777

Tritanomaly
55, 17.072, 327.535

Monochromacy



Original Color
55, 31.842, 315.936

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 12.037, 315.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.842, 315.936 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(153, 119, 170)` looks like.

```
.text, #text, p{  
    color:rgb(153, 119, 170)  
}
```

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(153, 119, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 119, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.842, 315.936 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(153, 119, 170) }
```

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

```
.border{ border-color:rgb(153, 119, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 119, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 119, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 119, 170);  
box-shadow:4px 4px 4px 4px rgb(153, 119,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.842, 315.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 119, 170) }
```

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

```
.background{ background-color: rgb(153,  
119, 170) }
```

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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