

Converting Colors

CIELCh(55, 31.219, 310.948)

Have a look what the booklet for
CIELCh(55, 31.219, 310.948)
contains.

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Color

CIELCh(55, 31.509, 311.145)

Conversions

Conversions Part 1

Format	Color
Hex	9479AD
RGB	148, 121, 173
RGB Percent	58%, 47%, 68%
CMY	0.4202, 0.5261, 0.3222
CMYK	0.14, 0.30, 0.00, 0.32
HSL	271°, 24%, 58%
HSV	271°, 30%, 68%
XYZ	26.5302, 22.9298, 42.4807
YIQ	135.0010, -0.6000, 21.8960

Conversions

Conversions Part 2

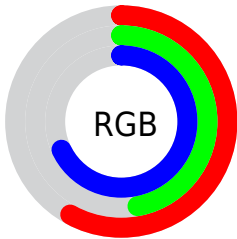
Format	Color
R _{YB}	148, 121, 173
Decimal	9730477
CIE _{Lab}	55.00, 20.73, -23.73
CIE _{LCh}	55, 31.509, 311.145
Y _{xy}	22.9298, 0.2886, 0.2494
Android (android.graphics.Color)	4287920557 (0xFF9479AD)
Y _{UV}	135.0010, 18.7335, 11.4001
Hunter-Lab	47.8851, 15.0969, -19.0788

Details

The CIELCh color **55, 31.509, 311.145** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **68, 30.285, 128.371**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 31.469, 311.129**, and **35, 31.355, 311.645** is the 20% darker color. If you saturate the color by 10%, you get **50, 42.375, 311.663**, and if you desaturate by 10%, it is **60, 20.783, 310.641**.

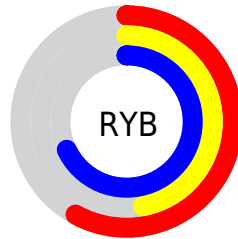
Distribution



Red (58%)

Green (47%)

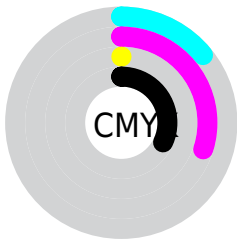
Blue (68%)



Red (58%)

Yellow (47%)

Blue (68%)

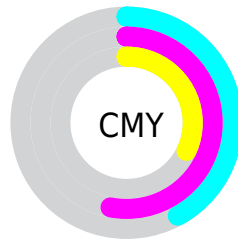


Cyan (14%)

Magenta (30%)

Yellow (0%)

Black (32%)



Cyan (42%)


Magenta (53%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 31.509, 311.145 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, 31.509, 311.145 by changing the saturation by 10% instead.


 55, 31.509,
311.145


 55, 31.509,
311.145


 100, 31.509,
311.145


 45, 31.509,
311.145


 75, 31.509,
311.145

 35, 31.509,
311.145

 85, 31.509,
311.145

 25, 31.509,
311.145

 95, 31.509,
311.145

 15, 31.509,
311.145

 5, 31.509, 311.145

 0, 31.509, 311.145

55, 31.509,
311.145

55, 31.509,
311.145

50, 42.375,
311.663

60, 20.783,
310.641

45, 53.222,
312.168

65, 10.295,
310.163

40, 63.768,
312.618

71, 0.088, 308.466

36, 73.577,
312.948

76, 9.820, 129.359

32, 82.039,
313.069

81, 19.425,
129.003

29, 88.448,
312.874

86, 28.734,
128.690

27, 92.796,
312.398

91, 37.758,
128.415

96, 44.171,
127.373

 96, 43.122,
123.618

Harmonies

Complementary

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



55, 31.509, 311.145



68, 30.285, 128.371

Rectangle

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



55, 31.509, 311.145



55, 31.509, 1.145



55, 31.509, 131.145



55, 31.509, 181.145

Sweetspot

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



55, 31.507, 311.145



83, 11.354, 310.121



60, 17.153, 261.884



43, 7.895, 310.186



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, 31.507, 311.145



66, 46.934, 311.484



58, 34.630, 326.507



34, 5.792, 310.128



23, 83.694, 312.525



1, 11.869, 306.481

Inverse Universe

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



57, 24.755, 347.513



69, 36.682, 348.283



66, 34.633, 142.811



34, 4.584, 345.429



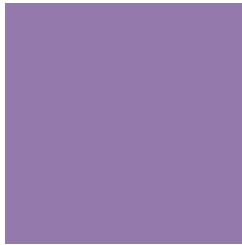
32, 57.082, 3.046



2, 9.039, 349.835

Previews

White Background



This preview shows how the CIELCh color 55, 31.509, 311.145 looks on a white background.

Color Contrast Check

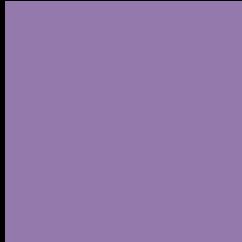
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.509, 311.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

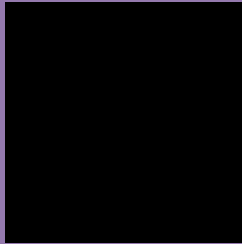
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 31.509, 311.145

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.509, 311.145.



This preview shows how white text looks on a background with the CIELCh color 55, 31.509, 311.145.

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, 31.509, 311.145

Protanopia

55, 28.877, 285.132

Deuteranopia

55, 23.582, 287.970



Tritanopia
55, 7.985, 334.327

Trichromacy



Original Color
55, 31.509, 311.145

Protanomaly
55, 28.779, 294.215

Deuteranomaly
55, 26.018, 297.779

Tritanomaly
55, 16.672, 317.407

Monochromacy



Original Color
55, 31.509, 311.145

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 11.596, 310.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.509, 311.145 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(148, 121, 173)` looks like.

```
.text, #text, p{  
    color:rgb(148, 121, 173)  
}
```

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(148, 121, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 121, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.509, 311.145 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(148, 121, 173) }
```

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

```
.border{ border-color:rgb(148, 121, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 121, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 121, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 121, 173);  
box-shadow:4px 4px 4px 4px rgb(148, 121,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.509, 311.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 121, 173) }
```

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

```
.background{ background-color: rgb(148,  
121, 173) }
```

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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