

Converting Colors

CIELCh(55, 19.718, 292.869)

Have a look what the booklet for
CIELCh(55, 19.718, 292.869)
contains.

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Color

CIELCh(55, 19.558, 292.498)

Conversions

Conversions Part 1

Format	Color
Hex	8181A3
RGB	129, 129, 163
RGB Percent	51%, 51%, 64%
CMY	0.4950, 0.4950, 0.3617
CMYK	0.21, 0.21, 0.00, 0.36
HSL	240°, 16%, 57%
HSV	240°, 21%, 64%
XYZ	23.4324, 22.9298, 37.7350
YIQ	132.8760, -10.9140, 10.5740

Conversions

Conversions Part 2

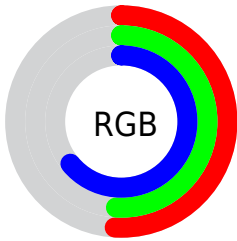
Format	Color
R _Y B	129, 129, 163
Decimal	8487331
CIE Lab	55.00, 7.48, -18.07
CIE LCh	55, 19.558, 292.498
Yxy	22.9298, 0.2786, 0.2727
Android (android.graphics.Color)	4286677411 (0xFF8181A3)
YUV	132.8760, 14.8511, -3.3993
Hunter-Lab	47.8851, 3.5495, -13.2028

Details

The CIELCh color **55, 19.558, 292.498** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **66, 18.651, 108.192**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 19.459, 291.990**, and **35, 19.356, 292.253** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.528, 293.916**, and if you desaturate by 10%, it is **61, 9.991, 291.290**.

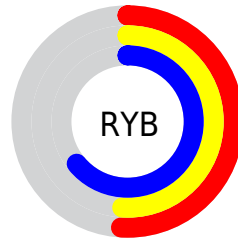
Distribution



Red (51%)

Green (51%)

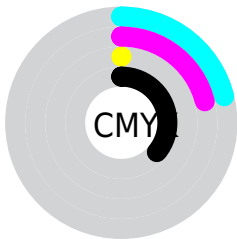
Blue (64%)



Red (51%)

Yellow (51%)

Blue (64%)

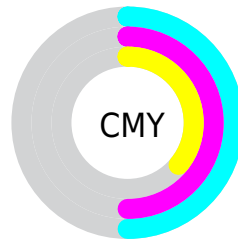


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (36%)



Cyan (50%)

Magenta (50%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 19.558, 292.498 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, 19.558, 292.498 by changing the saturation by 10% instead.


 55, 19.558,
292.498


 55, 19.558,
292.498


 100, 19.558,
292.498


 45, 19.558,
292.498


 75, 19.558,
292.498

 35, 19.558,
292.498

 85, 19.558,
292.498

 25, 19.558,
292.498

 95, 19.558,
292.498

 15, 19.558,
292.498

 5, 19.558, 292.498

 0, 19.558, 292.498

■ 55, 19.558,
292.498

■ 55, 19.558,
292.498

■ 49, 29.528,
293.916

■ 61, 9.991, 291.290

■ 44, 39.923,
295.571

■ 66, 0.802, 290.325

■ 72, 8.039, 109.375

■ 38, 50.727,
297.465

■ 78, 16.557,
108.633

■ 33, 61.818,
299.561

■ 83, 24.776,
107.995

■ 28, 72.834,
301.740

■ 89, 32.716,
107.446

■ 23, 82.947,
303.771

■ 94, 40.395,
106.971

■ 20, 90.770,
305.331

■ 98, 46.028,
106.660

■ 19, 95.639,

Harmonies

Complementary

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



55, 19.558, 292.498



66, 18.651, 108.192

Rectangle

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



55, 19.558, 292.498



55, 19.558, 342.498



55, 19.558, 112.498



55, 19.558, 162.498

Sweetspot

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



55, 19.557, 292.497



81, 6.762, 290.783



64, 12.251, 196.882



42, 4.526, 290.845



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 19.557, 292.497



67, 29.267, 293.119



56, 20.469, 309.462



31, 5.188, 291.113



16, 88.020, 306.285



0, 7.946, 290.174

Inverse Universe

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



57, 13.983, 20.870



70, 21.093, 21.327



65, 19.883, 127.542



32, 3.629, 19.894



30, 68.059, 39.260



1, 5.464, 19.396

Previews

White Background



This preview shows how the CIELCh color 55, 19.558, 292.498 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, 19.558, 292.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

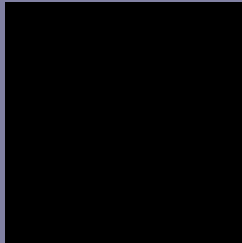
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 19.558, 292.498

Background



This preview shows how black text looks on a background with the CIELCh color 55, 19.558, 292.498.



This preview shows how white text looks on a background with the CIELCh color 55, 19.558, 292.498.

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

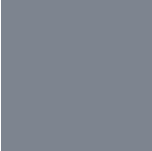
55, 19.558, 292.498

Protanopia

55, 19.603, 286.355

Deuteranopia

55, 19.558, 292.498



Tritanopia
55, 6.794, 268.119

Trichromacy



Original Color
55, 19.558, 292.498

Protanomaly
55, 19.557, 288.375

Deuteranomaly
55, 19.558, 292.498

Tritanomaly
55, 11.035, 281.878

Monochromacy



Original Color
55, 19.558, 292.498

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 7.472, 291.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 19.558, 292.498 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(129, 129, 163)` looks like.

```
.text, #text, p{  
    color:rgb(129, 129, 163)  
}
```

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(129, 129, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 129, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 19.558, 292.498 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(129, 129, 163) }
```

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

```
.border{ border-color:rgb(129, 129, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 129, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 129, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 129, 163); box-shadow:4px 4px 4px 4px rgb(129, 129, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 19.558, 292.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 129, 163) }
```

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

```
.background{ background-color: rgb(129,  
129, 163) }
```

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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