

Converting Colors

CIELCh(55, 21.313, 295.543)

Have a look what the booklet for
CIELCh(55, 21.313, 295.543)
contains.

CIELCh(55, 21.344, 295.541)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 21.344, 295.541)

Conversions

Conversions Part 1

Format	Color
Hex	8380A5
RGB	131, 128, 165
RGB Percent	51%, 50%, 65%
CMY	0.4868, 0.4985, 0.3535
CMYK	0.21, 0.22, 0.00, 0.35
HSL	245°, 17%, 57%
HSV	245°, 22%, 65%
XYZ	23.8199, 22.9298, 38.7010
YIQ	133.1150, -10.0890, 12.1430

Conversions

Conversions Part 2

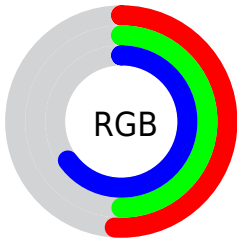
Format	Color
RYB	131, 128, 165
Decimal	8618149
CIELab	55.00, 9.20, -19.26
CIELCh	55, 21.344, 295.541
Yxy	22.9298, 0.2788, 0.2683
Android (android.graphics.Color)	4286808229 (0xFF8380A5)
YUV	133.1150, 15.7193, -1.8549
Hunter-Lab	47.8851, 4.9939, -14.3989

Details

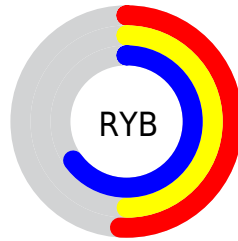
The CIELCh color **55, 21.344, 295.541** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **67, 20.283, 111.507**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 21.137, 294.910**, and **35, 21.278, 295.595** is the 20% darker color. If you saturate the color by 10%, you get **49, 31.488, 296.774**, and if you desaturate by 10%, it is **61, 11.599, 294.478**.

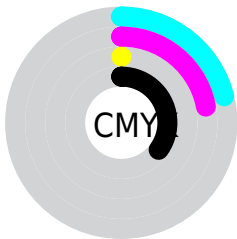
Distribution



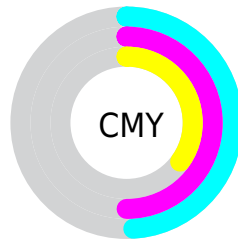
- Red (51%)
- Green (50%)
- Blue (65%)



- Red (51%)
- Yellow (50%)
- Blue (65%)



- Cyan (21%)
- Magenta (22%)
- Yellow (0%)
- Black (35%)





- Cyan (49%)
- Magenta (50%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 21.344, 295.541 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, 21.344, 295.541 by changing the saturation by 10% instead.


 55, 21.344,
295.541


 55, 21.344,
295.541


 100, 21.344,
295.541


 45, 21.344,
295.541


 75, 21.344,
295.541

 35, 21.344,
295.541

 85, 21.344,
295.541

 25, 21.344,
295.541

 95, 21.344,
295.541

 15, 21.344,
295.541

 5, 21.344, 295.541

 0, 21.344, 295.541

■ 55, 21.344,
295.541

■ 55, 21.344,
295.541

■ 49, 31.488,
296.774

■ 61, 11.599,
294.478

■ 44, 42.037,
298.193

■ 66, 2.236, 293.578

■ 38, 52.946,
299.791

■ 72, 6.772, 112.782

■ 33, 64.048,
301.522

■ 77, 15.449,
112.117

■ 28, 74.925,
303.275

■ 83, 23.819,
111.545

■ 24, 84.720,
304.845

■ 88, 31.902,
111.053


■ 21, 92.104,
305.953

■ 94, 39.717,
110.628

■ 19, 96.106,

■ 98, 45.040,
108.197

306.568

 98, 45.023,
106.737

Harmonies

Complementary

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



55, 21.344, 295.541



67, 20.283, 111.507

Rectangle

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



55, 21.344, 295.541



55, 21.344, 345.541



55, 21.344, 115.541



55, 21.344, 165.541

Sweetspot

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



55, 21.343, 295.540



81, 7.999, 293.979



64, 12.350, 204.804



42, 5.193, 294.029



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, 21.343, 295.540



67, 32.109, 296.142



57, 22.614, 312.337



32, 5.200, 294.174



16, 87.568, 306.609



0, 7.962, 293.064

Inverse Universe

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



58, 23.827, 327.959



71, 35.469, 328.248



65, 22.043, 130.384



32, 5.930, 327.198



33, 71.425, 331.673



1, 9.024, 327.435

Previews

White Background



This preview shows how the CIELCh color 55, 21.344, 295.541 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, 21.344, 295.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

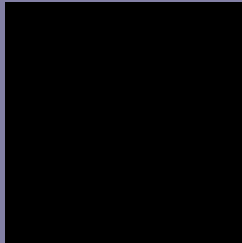
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 21.344, 295.541

Background



This preview shows how black text looks on a background with the CIELCh color 55, 21.344, 295.541.



This preview shows how white text looks on a background with the CIELCh color 55, 21.344, 295.541.

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, 21.344, 295.541

Protanopia

55, 21.336, 286.192

Deuteranopia

55, 20.704, 290.694



Tritanopia
55, 6.013, 272.502

Trichromacy



Original Color
55, 21.344, 295.541

Protanomaly
55, 21.284, 289.886

Deuteranomaly
55, 20.701, 291.659

Tritanomaly
55, 11.516, 287.882

Monochromacy



Original Color
55, 21.344, 295.541

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 8.060, 293.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 21.344, 295.541 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(131, 128, 165)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 165)  
}
```

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(131, 128, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 21.344, 295.541 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(131, 128, 165) }
```

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

```
.border{ border-color:rgb(131, 128, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 165);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 21.344, 295.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 165) }
```

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

```
.background{ background-color: rgb(131,  
128, 165) }
```

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