

Converting Colors

CIELCh(19, 35.546, 343.334)

Have a look what the booklet for
CIELCh(19, 35.546, 343.334)
contains.

CIELCh(19, 35.705, 343.313)	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(19, 35.705, 343.313)

Conversions

Conversions Part 1

Format	Color
Hex	55143E
RGB	85, 20, 62
RGB Percent	33%, 8%, 24%
CMY	0.6680, 0.9230, 0.7581
CMYK	0.00, 0.77, 0.27, 0.67
HSL	321°, 62%, 20%
HSV	321°, 77%, 33%
XYZ	4.8194, 2.7468, 4.7889
YIQ	44.2230, 25.2580, 26.8420

Conversions

Conversions Part 2

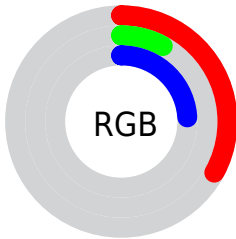
Format	Color
RYB	85, 20, 62
Decimal	5575742
CIELab	19.00, 34.20, -10.25
CIELCh	19, 35.705, 343.313
Yxy	2.7468, 0.3901, 0.2223
Android (android.graphics.Color)	4283765822 (0xFF55143E)
YUV	44.2230, 8.7641, 35.7614
Hunter-Lab	16.5735, 22.9018, -5.5302

Details

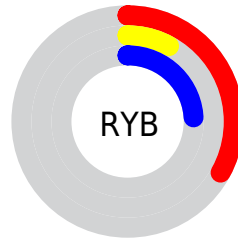
The CIELCh color **19, 35.705, 343.313** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 36.064, 148.521**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 35.975, 342.833**, and **5, 21.237, 353.826** is the 20% darker color. If you saturate the color by 10%, you get **18, 38.154, 344.782**, and if you desaturate by 10%, it is **21, 32.332, 342.070**.

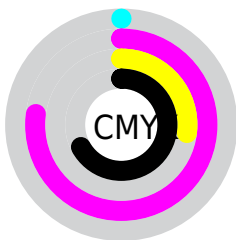
Distribution



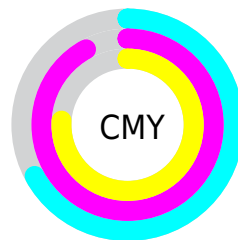
- Red (33%)
- Green (8%)
- Blue (24%)



- Red (33%)
- Yellow (8%)
- Blue (24%)



- Cyan (0%)
- Magenta (77%)
- Yellow (27%)
- Black (67%)





- Cyan (67%)
- Magenta (92%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 35.705, 343.313 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 19, 35.705, 343.313 by changing the saturation by 10% instead.

 19, 35.705,
343.313


 19, 35.705,
343.313


 100, 35.705,
343.313


 9, 35.705, 343.313


 39, 35.705,
343.313

 0, 35.705, 343.313

 49, 35.705,
343.313


 59, 35.705,
343.313


 69, 35.705,
343.313


 79, 35.705,
343.313

 89, 35.705,


343.313


 99, 35.705,
343.313

 19, 35.705,
343.313


 19, 35.705,
343.313


 18, 38.154,
344.782


 21, 32.332,
342.070


 17, 40.058,
346.370

 22, 28.238,
340.991

 16, 40.721,
346.846

 24, 23.634,
340.033

 27, 18.716,
339.166

 29, 13.636,
338.369

■ 32, 8.512, 337.626

■ 34, 3.421, 336.907

■ 37, 1.585, 156.441

■ 40, 6.474, 155.746

Harmonies

Complementary

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



19, 35.705, 343.313



31, 36.064, 148.521

Rectangle

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



19, 35.705, 343.313



19, 35.705, 33.313



19, 35.705, 163.313



19, 35.705, 213.313

Sweetspot

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



19, 35.703, 343.314



39, 14.475, 338.139



13, 45.168, 308.587



18, 10.106, 338.316



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 35.703, 343.314



24, 47.205, 346.218



18, 32.428, 19.902



16, 2.875, 337.053



22, 47.697, 347.624



52, 83.731, 349.426

Inverse Universe

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



19, 35.703, 343.314



24, 47.205, 346.218



32, 22.567, 180.294



16, 2.875, 337.053



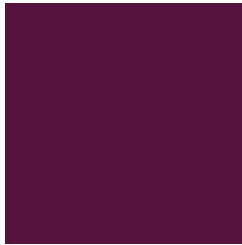
22, 47.697, 347.624



52, 83.731, 349.426

Previews

White Background



This preview shows how the CIE LCh color 19, 35.705, 343.313 looks on a white background.

Color Contrast Check

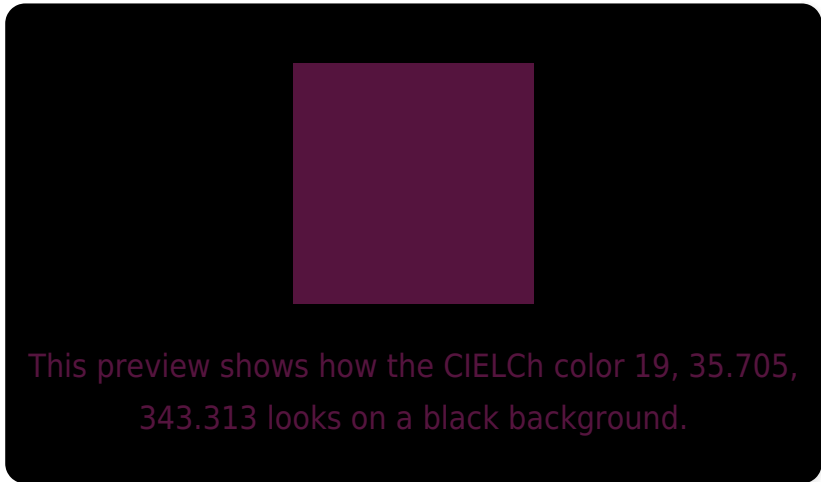
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

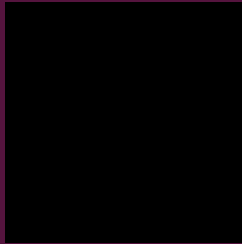
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 35.705, 343.313

Background



This preview shows how black text looks on a background with the CIELCh color 19, 35.705, 343.313.



This preview shows how white text looks on a background with the CIELCh color 19, 35.705, 343.313.

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

19, 35.705, 343.313

Protanopia

20, 23.989, 284.791

Deuteranopia

20, 7.509, 291.958



Tritanopia
19, 27.469, 24.563

Trichromacy



Original Color
19, 35.705, 343.313

Protanomaly
18, 26.770, 308.089

Deuteranomaly
19, 18.296, 328.729

Tritanomaly
19, 28.308, 7.217

Monochromacy



Original Color
19, 35.705, 343.313

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 15.086, 340.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 35.705, 343.313 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(85, 20, 62)` looks like.

```
.text, #text, p{  
    color:rgb(85, 20, 62)  
}
```

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(85, 20, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 20, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 35.705, 343.313 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(85, 20, 62) }
```

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

```
.border{ border-color:rgb(85, 20, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 20, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 20, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 20, 62);  
box-shadow:4px 4px 4px 4px rgb(85, 20, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 35.705, 343.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 20, 62) }
```

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

```
.background{ background-color: rgb(85, 20,  
62) }
```

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