

Converting Colors

CIELCh(19, 45.404, 342.926)

Have a look what the booklet for
CIELCh(19, 45.404, 342.926)
contains.

CIELCh(19, 45.103, 343.355)	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, 45.103, 343.355)

Conversions

Conversions Part 1

Format	Color
Hex	5E0042
RGB	94, 0, 66
RGB Percent	37%, 0%, 26%
CMY	0.6325, 1.0000, 0.7422
CMYK	0.00, 1.00, 0.30, 0.63
HSL	318°, 100%, 18%
HSV	318°, 100%, 37%
XYZ	5.5583, 2.7468, 5.3524
YIQ	35.6300, 34.8380, 40.4540

Conversions

Conversions Part 2

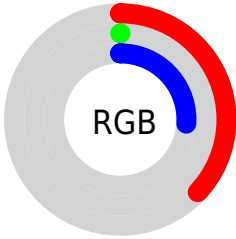
Format	Color
RYB	94, 0, 66
Decimal	6160450
CIELab	19.00, 43.21, -12.92
CIELCh	19, 45.103, 343.355
Yxy	2.7468, 0.4070, 0.2011
Android (android.graphics.Color)	4284350530 (0xFF5E0042)
YUV	35.6300, 14.9724, 51.1905
Hunter-Lab	16.5735, 30.8597, -7.5460

Details

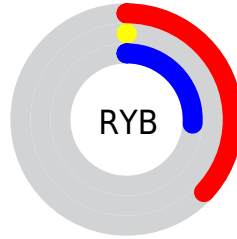
The CIELCh color **19, 45.103, 343.355** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 49.382, 142.553**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 45.147, 343.478**, and **6, 25.358, 352.980** is the 20% darker color. If you saturate the color by 10%, you get **19, 44.994, 343.382**, and if you desaturate by 10%, it is **20, 43.140, 342.048**.

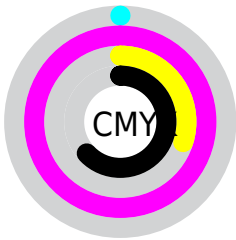
Distribution



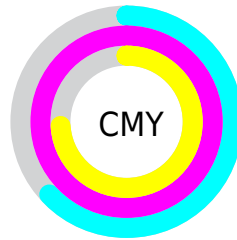
- Red (37%)
- Green (0%)
- Blue (26%)



- Red (37%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (63%)





- Cyan (63%)
- Magenta (100%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 45.103, 343.355 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, 45.103, 343.355 by changing the saturation by 10% instead.

 19, 45.103,
343.355


 19, 45.103,
343.355


 100, 45.103,
343.355


 9, 45.103, 343.355


 39, 45.103,
343.355

 0, 45.103, 343.355

 49, 45.103,
343.355


 59, 45.103,
343.355


 69, 45.103,
343.355


 79, 45.103,
343.355

 89, 45.103,


343.355


 99, 45.103,
343.355


 19, 45.103,
343.355


 19, 45.103,
343.355

 19, 44.994,
343.382

 20, 43.140,
342.048

 21, 40.900,
340.752

 23, 37.546,
339.640

 24, 33.271,
338.661

 27, 28.314,
337.779

■ 29, 22.906,
336.968

■ 32, 17.242,
336.213

■ 34, 11.472,
335.501

■ 37, 5.702, 334.819

Harmonies

Complementary

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



19, 45.103, 343.355



34, 49.382, 142.553

Rectangle

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



19, 45.103, 343.355



19, 45.103, 33.355



19, 45.103, 163.355



19, 45.103, 213.355

Sweetspot

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



19, 44.994, 343.382



41, 21.481, 336.282



9, 62.125, 308.727



19, 14.511, 336.485



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 44.994, 343.382



26, 54.035, 344.012



18, 42.887, 24.003



17, 3.138, 334.737



23, 50.067, 343.767



53, 87.203, 345.115

Inverse Universe

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



19, 44.994, 343.382



26, 54.035, 344.012



35, 30.003, 170.566



17, 3.138, 334.737



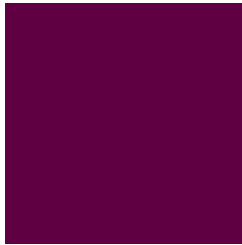
23, 50.067, 343.767



53, 87.203, 345.115

Previews

White Background



This preview shows how the CIE LCh color 19, 45.103, 343.355 looks on a white background.

Color Contrast Check

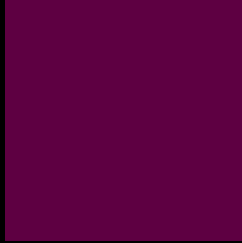
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 19, 45.103, 343.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

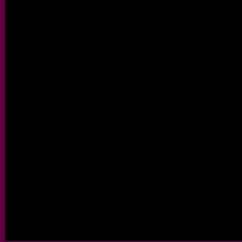
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 45.103, 343.355

Background



This preview shows how black text looks on a background with the CIELCh color 19, 45.103, 343.355.



This preview shows how white text looks on a background with the CIELCh color 19, 45.103, 343.355.

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, 45.103, 343.355

Protanopia

21, 30.569, 285.358

Deuteranopia

21, 8.155, 295.064



Tritanopia
20, 33.777, 28.183

Trichromacy



Original Color
19, 45.103, 343.355

Protanomaly
17, 36.920, 308.443

Deuteranomaly
18, 25.876, 329.510

Tritanomaly
19, 35.407, 8.225

Monochromacy



Original Color
19, 45.103, 343.355

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 22.189, 338.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 45.103, 343.355 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(94, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 66)  
}
```

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(94, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 45.103, 343.355 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(94, 0, 66) }
```

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

```
.border{ border-color:rgb(94, 0, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 0, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(94, 0, 66); box-shadow:4px  
4px 4px 4px rgb(94, 0, 66) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 45.103, 343.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 66) }
```

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

```
.background{ background-color: rgb(94, 0,  
66) }
```

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