

Converting Colors

CIELCh(19, 46.267, 341.057)

Have a look what the booklet for
CIELCh(19, 46.267, 341.057)
contains.

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Color

CIELCh(19, 45.942, 340.777)

Conversions

Conversions Part 1

Format	Color
Hex	5D0045
RGB	93, 0, 69
RGB Percent	36%, 0%, 27%
CMY	0.6357, 1.0000, 0.7298
CMYK	0.00, 1.00, 0.26, 0.64
HSL	315°, 100%, 18%
HSV	315°, 100%, 36%
XYZ	5.5726, 2.7468, 5.8507
YIQ	35.6730, 33.2790, 41.1750

Conversions

Conversions Part 2

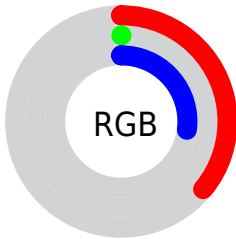
Format	Color
RYB	93, 0, 69
Decimal	6094917
CIELab	19.00, 43.38, -15.13
CIElCh	19, 45.942, 340.777
Yxy	2.7468, 0.3933, 0.1938
Android (android.graphics.Color)	4284284997 (0xFF5D0045)
YUV	35.6730, 16.4302, 50.2758
Hunter-Lab	16.5735, 31.0147, -9.3289

Details

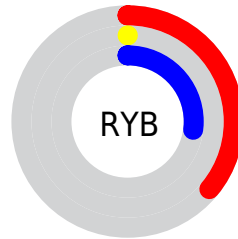
The CIELCh color **19, 45.942, 340.777** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 50.450, 141.349**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 45.867, 341.201**, and **6, 25.489, 348.925** is the 20% darker color. If you saturate the color by 10%, you get **19, 45.900, 340.785**, and if you desaturate by 10%, it is **20, 43.981, 339.681**.

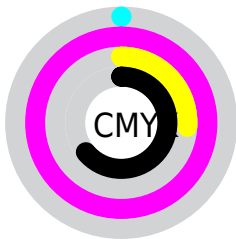
Distribution



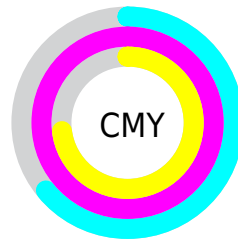
- Red (36%)
- Green (0%)
- Blue (27%)



- Red (36%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (64%)




- Cyan (64%)
- Magenta (100%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 45.942, 340.777 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, 45.942, 340.777 by changing the saturation by 10% instead.

 19, 45.942,
340.777

 19, 45.942,
340.777


 100, 45.942,
340.777


 9, 45.942, 340.777


 39, 45.942,
340.777

 0, 45.942, 340.777

 49, 45.942,
340.777


 59, 45.942,
340.777


 69, 45.942,
340.777

 79, 45.942,
340.777


 89, 45.942,


340.777


 99, 45.942,
340.777


 19, 45.942,
340.777


 19, 45.942,
340.777


 19, 45.900,
340.785

 20, 43.981,
339.681

 21, 41.678,
338.596

 23, 38.258,
337.643

 24, 33.909,
336.783

 26, 28.868,
335.991

■ 29, 23.366,
335.249

■ 31, 17.598,
334.546

■ 34, 11.715,
333.875

■ 37, 5.826, 333.225

Harmonies

Complementary

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



19, 45.942, 340.777



34, 50.450, 141.349

Rectangle

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



19, 45.942, 340.777



19, 45.942, 30.777



19, 45.942, 160.777



19, 45.942, 210.777

Sweetspot

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



19, 45.900, 340.785



40, 21.704, 334.609



9, 62.079, 308.312



19, 14.915, 334.803



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, 45.900, 340.785



26, 54.663, 341.274



17, 41.933, 21.209



17, 3.230, 333.147



23, 51.392, 341.113



53, 89.583, 342.198

Inverse Universe

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



19, 45.900, 340.785



26, 54.663, 341.274



34, 31.025, 167.570



17, 3.230, 333.147



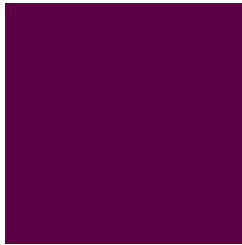
23, 51.392, 341.113



53, 89.583, 342.198

Previews

White Background



This preview shows how the CIE LCh color 19, 45.942, 340.777 looks on a white background.

Color Contrast Check

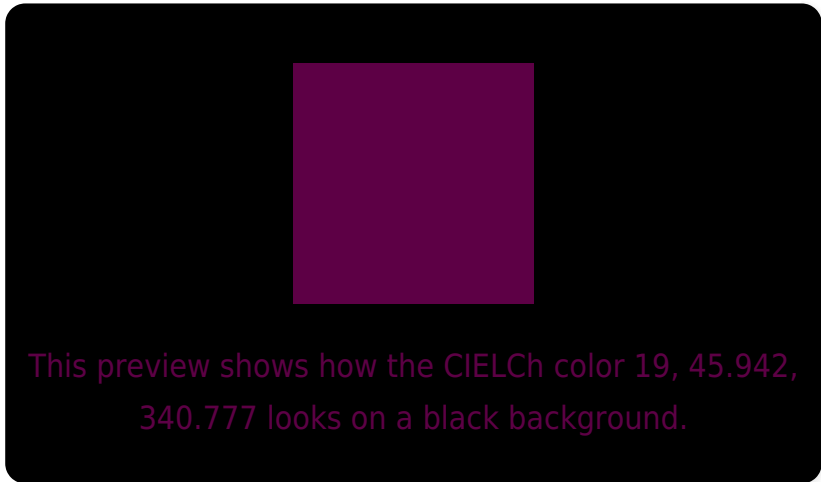
Large Text (above 18pt) WCAG AA ✓ Pass

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

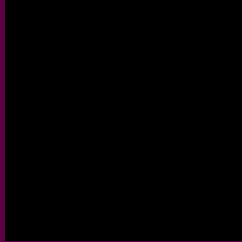
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 45.942, 340.777

Background



This preview shows how black text looks on a background with the CIELCh color 19, 45.942, 340.777.



This preview shows how white text looks on a background with the CIELCh color 19, 45.942, 340.777.

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, 45.942, 340.777

Protanopia

21, 33.285, 285.224

Deuteranopia

21, 10.167, 290.166



Tritanopia
20, 32.729, 27.718

Trichromacy



Original Color
19, 45.942, 340.777

Protanomaly
17, 38.795, 306.071

Deuteranomaly
18, 27.094, 325.177

Tritanomaly
19, 35.077, 5.555

Monochromacy



Original Color
19, 45.942, 340.777

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 22.620, 336.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 45.942, 340.777 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(93, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(93, 0, 69)  
}
```

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(93, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 45.942, 340.777 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(93, 0, 69) }
```

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

```
.border{ border-color:rgb(93, 0, 69) }
```

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

Here you see how a box with a 4 pixel rgb(93, 0, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 0, 69); box-shadow:4px  
4px 4px 4px rgb(93, 0, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 45.942, 340.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 69) }
```

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

```
.background{ background-color: rgb(93, 0,  
69) }
```

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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