

Converting Colors

CIELCh(19, 40.294, 346.432)

Have a look what the booklet for
CIELCh(19, 40.294, 346.432)
contains.

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Color

CIELCh(19, 40.294, 346.432)

Conversions

Conversions Part 1

Format	Color
Hex	5B0A3D
RGB	91, 10, 61
RGB Percent	36%, 4%, 24%
CMY	0.6445, 0.9627, 0.7620
CMYK	0.00, 0.90, 0.33, 0.64
HSL	322°, 81%, 20%
HSV	322°, 90%, 36%
XYZ	5.2180, 2.7468, 4.6280
YIQ	40.0330, 31.9050, 33.0330

Conversions

Conversions Part 2

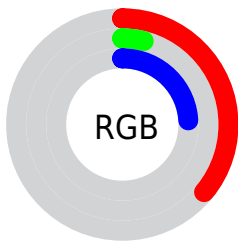
Format	Color
R_{YB}	91, 10, 61
Decimal	5966397
CIE _{Lab}	19.00, 39.17, -9.45
CIE _{LCh}	19, 40.294, 346.432
Yxy	2.7468, 0.4144, 0.2181
Android (android.graphics.Color)	4284156477 (0xFF5B0A3D)
YUV	40.0330, 10.3367, 44.6981
Hunter-Lab	16.5735, 27.1953, -4.9547

Details

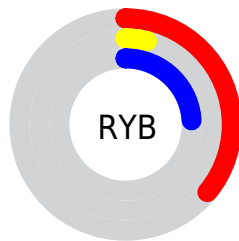
The CIELCh color **19, 40.294, 346.432** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 42.134, 146.843**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 40.198, 346.587**, and **5, 23.354, 358.830** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.150, 348.171**, and if you desaturate by 10%, it is **20, 38.086, 344.758**.

Distribution



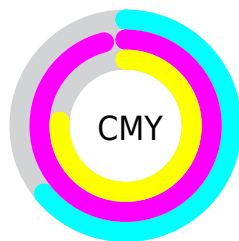
- Red (36%)
- Green (4%)
- Blue (24%)



- Red (36%)
- Yellow (4%)
- Blue (24%)



- Cyan (0%)
- Magenta (90%)
- Yellow (33%)
- Black (64%)





- Cyan (64%)
- Magenta (96%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 40.294, 346.432 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, 40.294, 346.432 by changing the saturation by 10% instead.

 19, 40.294,
346.432

 19, 40.294,
346.432

 100, 40.294,
346.432

 9, 40.294, 346.432


 39, 40.294,
346.432

 0, 40.294, 346.432

 49, 40.294,
346.432

 59, 40.294,
346.432


 69, 40.294,
346.432


 79, 40.294,
346.432


 89, 40.294,


346.432


 99, 40.294,
346.432


 19, 40.294,
346.432


 19, 40.294,
346.432


 18, 42.150,
348.171


 20, 38.086,
344.758

 18, 42.250,
348.253

 22, 34.849,
343.361

 24, 30.773,
342.169

 26, 26.088,
341.126

 28, 21.012,
340.195

■ 31, 15.723,
339.348

■ 33, 10.358,
338.565

■ 36, 5.012, 337.824

■ 39, 0.254, 157.994

Harmonies

Complementary

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



19, 40.294, 346.432



33, 42.134, 146.843

Rectangle

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



19, 40.294, 346.432



19, 40.294, 36.432



19, 40.294, 166.432



19, 40.294, 216.432

Sweetspot

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



19, 40.292, 346.433



40, 17.788, 339.214



12, 54.345, 309.494



19, 11.868, 339.373



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



19, 40.292, 346.433



25, 50.352, 349.118



18, 39.628, 26.248



17, 2.983, 337.776



23, 48.060, 348.907



52, 83.703, 350.779

Inverse Universe

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



19, 40.292, 346.433



25, 50.352, 349.118



34, 25.302, 180.432



17, 2.983, 337.776



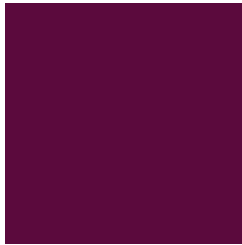
23, 48.060, 348.907



52, 83.703, 350.779

Previews

White Background



This preview shows how the CIE LCh color 19, 40.294, 346.432 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, 40.294, 346.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

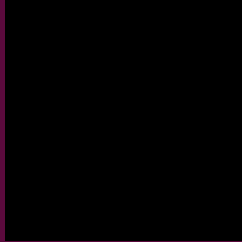
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 40.294, 346.432

Background



This preview shows how black text looks on a background with the CIELCh color 19, 40.294, 346.432.



This preview shows how white text looks on a background with the CIELCh color 19, 40.294, 346.432.

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, 40.294, 346.432

Protanopia

20, 25.298, 284.447

Deuteranopia

20, 6.201, 299.798



Tritanopia
19, 32.914, 28.104

Trichromacy



Original Color
19, 40.294, 346.432

Protanomaly
18, 29.740, 310.135

Deuteranomaly
18, 21.063, 334.291

Tritanomaly
19, 33.608, 9.941

Monochromacy



Original Color
19, 40.294, 346.432

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 18.521, 339.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 40.294, 346.432 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(91, 10, 61)` looks like.

```
.text, #text, p{  
    color:rgb(91, 10, 61)  
}
```

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(91, 10, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 10, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 40.294, 346.432 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(91, 10, 61) }
```

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

```
.border{ border-color:rgb(91, 10, 61) }
```

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

Here you see how a box with a 4 pixel rgb(91, 10, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 10, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 10, 61);  
box-shadow:4px 4px 4px 4px rgb(91, 10, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 40.294, 346.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 10, 61) }
```

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

```
.background{ background-color: rgb(91, 10,  
61) }
```

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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