

Converting Colors

CIELCh(19, 36.539, 347.274)

Have a look what the booklet for
CIELCh(19, 36.539, 347.274)
contains.

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Color

CIELCh(19, 36.525, 346.775)

Conversions

Conversions Part 1

Format	Color
Hex	57113B
RGB	87, 17, 59
RGB Percent	34%, 7%, 23%
CMY	0.6587, 0.9331, 0.7685
CMYK	0.00, 0.80, 0.32, 0.66
HSL	324°, 67%, 20%
HSV	324°, 80%, 34%
XYZ	4.9260, 2.7468, 4.4132
YIQ	42.7180, 28.2380, 27.9020

Conversions

Conversions Part 2

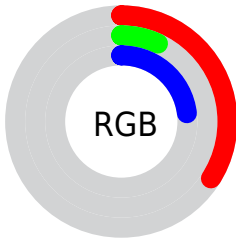
Format	Color
RYB	87, 17, 59
Decimal	5706043
CIELab	19.00, 35.56, -8.36
CIELCh	19, 36.525, 346.775
Yxy	2.7468, 0.4076, 0.2273
Android (android.graphics.Color)	4283896123 (0xFF57113B)
YUV	42.7180, 8.0270, 38.8353
Hunter-Lab	16.5735, 24.0503, -4.1864




Details

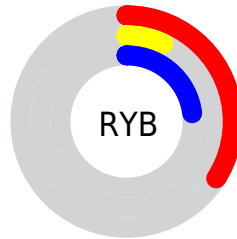
The CIELCh color **19, 36.525, 346.775** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 36.722, 149.809**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 36.805, 347.027**, and **5, 21.077, 0.728** is the 20% darker color. If you saturate the color by 10%, you get **18, 38.624, 348.637**, and if you desaturate by 10%, it is **20, 33.467, 345.229**.

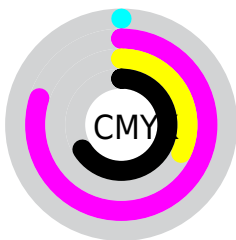
Distribution







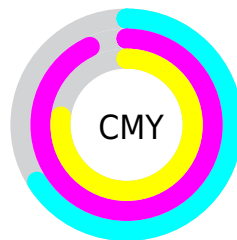
-  Red (34%)
-  Green (7%)
-  Blue (23%)






-  Red (34%)
-  Yellow (7%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (80%)
-  Yellow (32%)
-  Black (66%)





-  Cyan (66%)
-  Magenta (93%)
-  Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 36.525, 346.775 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, 36.525, 346.775 by changing the saturation by 10% instead.

 19, 36.525,
346.775


 19, 36.525,
346.775


 100, 36.525,
346.775


 9, 36.525, 346.775


 39, 36.525,
346.775

 0, 36.525, 346.775

 49, 36.525,
346.775


 59, 36.525,
346.775


 69, 36.525,
346.775


 79, 36.525,
346.775


 89, 36.525,


346.775


 99, 36.525,
346.775


 19, 36.525,
346.775


 19, 36.525,
346.775

 18, 38.624,
348.637


 20, 33.467,
345.229

 17, 40.493,
350.427

 22, 29.612,
343.925

 24, 25.175,
342.798

 27, 20.364,
341.804

 29, 15.350,
340.909

■ 32, 10.264,
340.089

■ 34, 5.196, 339.322

■ 37, 0.206, 337.678

■ 40, 4.671, 158.065

Harmonies

Complementary

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



19, 36.525, 346.775



32, 36.722, 149.809

Rectangle

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



19, 36.525, 346.775



19, 36.525, 36.775



19, 36.525, 166.775



19, 36.525, 216.775

Sweetspot

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



19, 36.523, 346.776



39, 14.915, 340.439



14, 48.018, 309.975



18, 10.143, 340.617



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, 36.523, 346.776



24, 47.437, 350.536



18, 35.344, 24.991



16, 2.780, 339.198



22, 46.573, 351.251



51, 81.827, 353.435

Inverse Universe

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



19, 36.523, 346.776



24, 47.437, 350.536



33, 22.652, 185.019



16, 2.780, 339.198



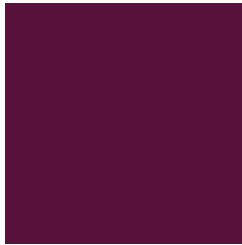
22, 46.573, 351.251



51, 81.827, 353.435

Previews

White Background



This preview shows how the CIE LCh color 19, 36.525, 346.775 looks on a white background.

Color Contrast Check

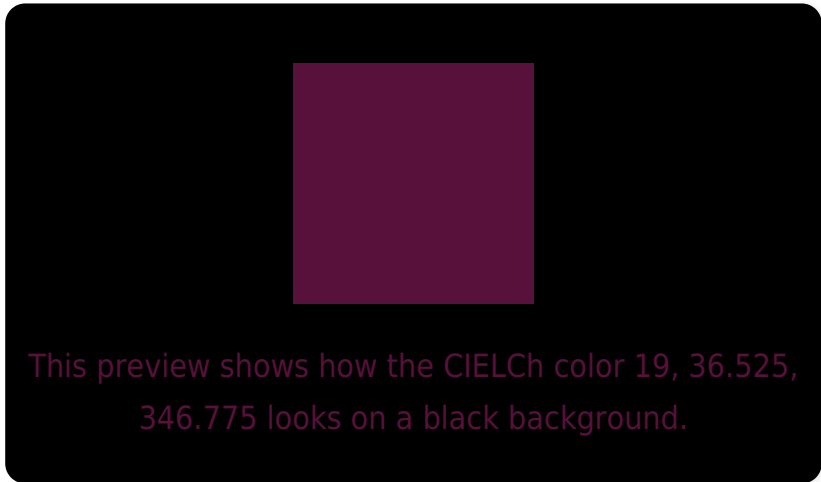
Large Text (above 18pt) WCAG AA ✓ Pass

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

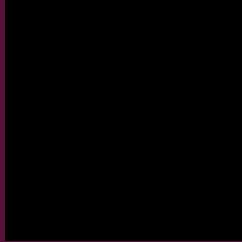
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 36.525, 346.775

Background



This preview shows how black text looks on a background with the CIELCh color 19, 36.525, 346.775.



This preview shows how white text looks on a background with the CIELCh color 19, 36.525, 346.775.

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, 36.525, 346.775

Protanopia

20, 22.604, 285.133

Deuteranopia

20, 5.547, 300.727



Tritanopia
19, 30.087, 25.803

Trichromacy



Original Color
19, 36.525, 346.775

Protanomaly
18, 25.752, 311.323

Deuteranomaly
18, 18.113, 335.316

Tritanomaly
19, 30.843, 9.427

Monochromacy



Original Color
19, 36.525, 346.775

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 15.452, 341.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 36.525, 346.775 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(87, 17, 59)` looks like.

```
.text, #text, p{  
    color:rgb(87, 17, 59)  
}
```

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(87, 17, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 17, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 36.525, 346.775 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(87, 17, 59) }
```

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

```
.border{ border-color:rgb(87, 17, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 17, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 17, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 17, 59);  
box-shadow:4px 4px 4px 4px rgb(87, 17, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 36.525, 346.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 17, 59) }
```

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

```
.background{ background-color: rgb(87, 17,  
59) }
```

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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