

Converting Colors

CIELCh(19, 42.849, 352.333)

Have a look what the booklet for
CIELCh(19, 42.849, 352.333)
contains.

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Color

CIELCh(19, 42.911, 352.138)

Conversions

Conversions Part 1

Format	Color
Hex	600038
RGB	96, 0, 56
RGB Percent	38%, 0%, 22%
CMY	0.6247, 1.0000, 0.7813
CMYK	0.00, 1.00, 0.42, 0.62
HSL	325°, 100%, 19%
HSV	325°, 100%, 38%
XYZ	5.4979, 2.7468, 3.9512
YIQ	35.0880, 39.2400, 37.7680

Conversions

Conversions Part 2

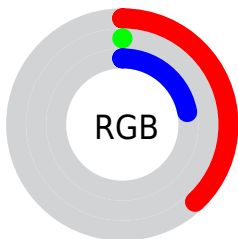
Format	Color
R_{YB}	96, 0, 56
Decimal	6291512
CIE _{Lab}	19.00, 42.51, -5.87
CIE _{LCh}	19, 42.911, 352.138
Yxy	2.7468, 0.4508, 0.2252
Android (android.graphics.Color)	4284481592 (0xFF600038)
YUV	35.0880, 10.3096, 53.4198
Hunter-Lab	16.5735, 30.2093, -2.5335

Details

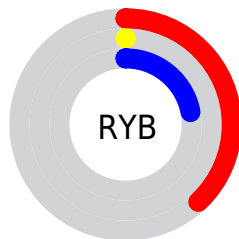
The CIELCh color **19, 42.911, 352.138** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 45.530, 146.918**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 42.814, 351.867**, and **6, 25.044, 10.085** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.811, 352.185**, and if you desaturate by 10%, it is **20, 40.998, 350.045**.

Distribution



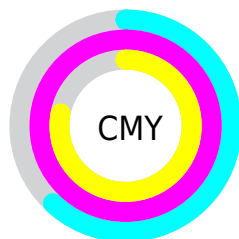
- Red (38%)
- Green (0%)
- Blue (22%)



- Red (38%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (62%)




- Cyan (62%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.911, 352.138 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, 42.911, 352.138 by changing the saturation by 10% instead.

 19, 42.911,
352.138

 19, 42.911,
352.138

 100, 42.911,
352.138


 9, 42.911, 352.138


 39, 42.911,
352.138

 0, 42.911, 352.138

 49, 42.911,
352.138

 59, 42.911,
352.138


 69, 42.911,
352.138

 79, 42.911,
352.138


 89, 42.911,


352.138


 99, 42.911,
352.138


 19, 42.911,
352.138


 19, 42.911,
352.138


 19, 42.811,
352.185

 20, 40.998,
350.045

 21, 38.824,
348.009

 23, 35.584,
346.341

 25, 31.470,
344.946

 27, 26.721,
343.753

■ 29, 21.566,
342.707

■ 32, 16.196,
341.773

■ 35, 10.752,
340.922

■ 38, 5.333, 340.129

Harmonies

Complementary

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



19, 42.911, 352.138



35, 45.530, 146.918

Rectangle

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



19, 42.911, 352.138



19, 42.911, 42.138



19, 42.911, 172.138



19, 42.911, 222.138

Sweetspot

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



19, 42.811, 352.185



42, 20.170, 341.855



11, 61.519, 310.873



20, 13.871, 342.120



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 42.811, 352.185



26, 51.436, 353.222



18, 46.220, 31.727



18, 3.019, 340.042



23, 47.721, 352.827



52, 82.562, 355.020

Inverse Universe

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



19, 42.811, 352.185



26, 51.436, 353.222



36, 26.233, 185.124



18, 3.019, 340.042



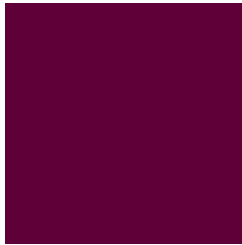
23, 47.721, 352.827



52, 82.562, 355.020

Previews

White Background



This preview shows how the CIELCh color 19, 42.911, 352.138 looks on a white background.

Color Contrast Check

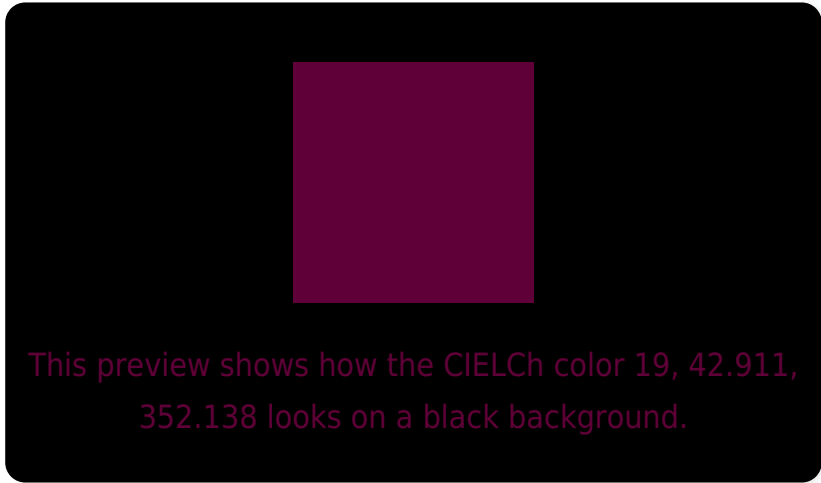
Large Text (above 18pt) WCAG AA ✓ Pass

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

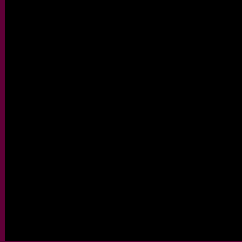
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 42.911, 352.138

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.911, 352.138.



This preview shows how white text looks on a background with the CIELCh color 19, 42.911, 352.138.

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, 42.911, 352.138

Protanopia
21, 21.090, 285.436

Deuteranopia
21, 3.466, 344.377



Tritanopia
20, 37.430, 29.931

Trichromacy



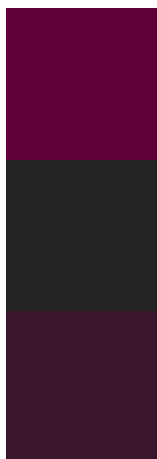
Original Color
19, 42.911, 352.138

Protanomaly
17, 29.415, 318.599

Deuteranomaly
18, 22.614, 345.154

Tritanomaly
20, 37.756, 14.752

Monochromacy



Original Color
19, 42.911, 352.138

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 21.305, 343.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 42.911, 352.138 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(96, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 56)  
}
```

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(96, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.911, 352.138 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(96, 0, 56) }
```

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

```
.border{ border-color:rgb(96, 0, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 0, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 0, 56); box-shadow:4px  
4px 4px 4px rgb(96, 0, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.911, 352.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 0, 56) }
```

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

```
.background{ background-color: rgb(96, 0,  
56) }
```

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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