

Converting Colors

CIELCh(19, 20.921, 339.966)

Have a look what the booklet for
CIELCh(19, 20.921, 339.966)
contains.

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Color

CIELCh(19, 20.976, 340.106)

Conversions

Conversions Part 1

Format	Color
Hex	452339
RGB	69, 35, 57
RGB Percent	27%, 14%, 22%
CMY	0.7300, 0.8633, 0.7771
CMYK	0.00, 0.49, 0.17, 0.73
HSL	321°, 33%, 20%
HSV	321°, 49%, 27%
XYZ	3.7745, 2.7468, 4.1826
YIQ	47.6740, 13.2020, 14.0500

Conversions

Conversions Part 2

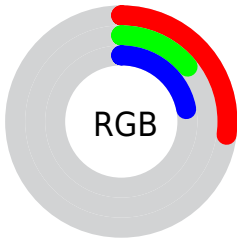
Format	Color
R_{YB}	69, 35, 57
Decimal	4531001
CIE _{Lab}	19.00, 19.72, -7.14
CIE _{LCh}	19, 20.976, 340.106
Yxy	2.7468, 0.3526, 0.2566
Android (android.graphics.Color)	4282721081 (0xFF452339)
YUV	47.6740, 4.5977, 18.7029
Hunter-Lab	16.5735, 11.6485, -3.3613




Details

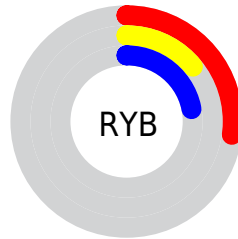
The CIELCh color **19, 20.976, 340.106** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 20.605, 152.437**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 20.638, 340.025**, and **2, 11.161, 347.890** is the 20% darker color. If you saturate the color by 10%, you get **17, 24.823, 341.042**, and if you desaturate by 10%, it is **21, 16.855, 339.259**.

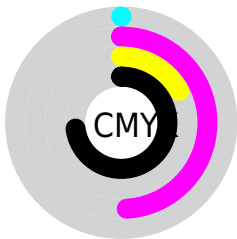
Distribution







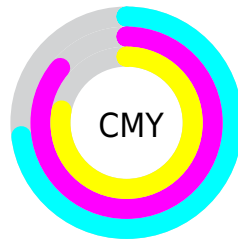
-  Red (27%)
-  Green (14%)
-  Blue (22%)






-  Red (27%)
-  Yellow (14%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (49%)
-  Yellow (17%)
-  Black (73%)





-  Cyan (73%)
-  Magenta (86%)
-  Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 20.976, 340.106 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, 20.976, 340.106 by changing the saturation by 10% instead.

 19, 20.976,
340.106


 19, 20.976,
340.106


 100, 20.976,
340.106


 9, 20.976, 340.106


 39, 20.976,
340.106

 0, 20.976, 340.106

 49, 20.976,
340.106


 59, 20.976,
340.106


 69, 20.976,
340.106


 79, 20.976,
340.106


 89, 20.976,


340.106


 99, 20.976,
340.106


 19, 20.976,
340.106


 19, 20.976,
340.106

 17, 24.823,
341.042


 21, 16.855,
339.259

 16, 28.244,
342.093


 23, 12.589,
338.479

 14, 31.069,
343.300

 25, 8.273, 337.751

 13, 33.228,
344.683

 27, 3.975, 337.056

 12, 35.487,
345.958

 29, 0.262, 157.101

 32, 4.410, 155.910

■ 12, 35.641,
346.033

■ 34, 8.452, 155.332

■ 36, 12.383,
154.797

■ 38, 16.200,
154.295

Harmonies

Complementary

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



19, 20.976, 340.106



26, 20.605, 152.437

Rectangle

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



19, 20.976, 340.106



19, 20.976, 30.106



19, 20.976, 160.106



19, 20.976, 210.106

Sweetspot

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



19, 20.975, 340.107



34, 7.932, 337.488



17, 24.162, 306.569



16, 5.461, 337.557



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 20.975, 340.107



23, 30.470, 341.242



18, 17.288, 12.700



12, 2.285, 336.993



20, 44.569, 347.281



49, 81.028, 349.321

Inverse Universe

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



19, 20.975, 340.107



23, 30.470, 341.242



27, 13.883, 183.222



12, 2.285, 336.993



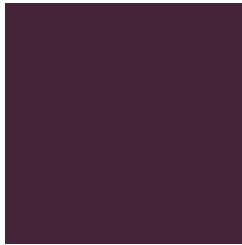
20, 44.569, 347.281



49, 81.028, 349.321

Previews

White Background



This preview shows how the CIE LCh color 19, 20.976, 340.106 looks on a white background.

Color Contrast Check

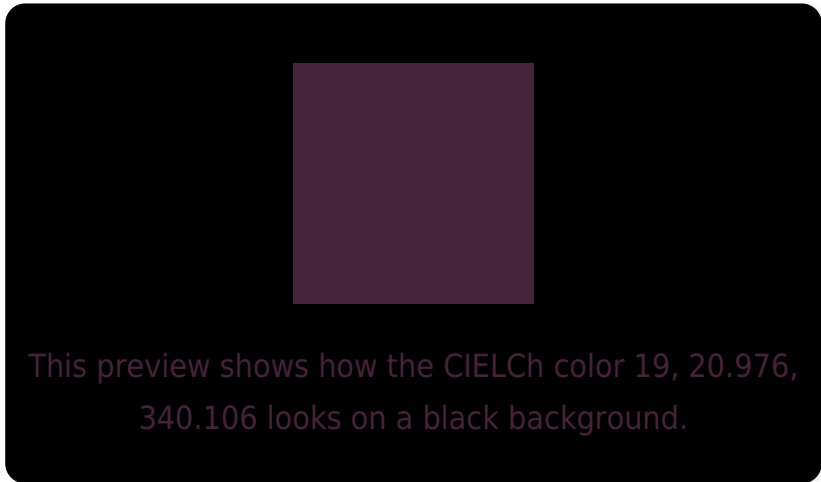
Large Text (above 18pt) WCAG AA ✓ Pass

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

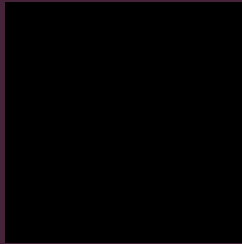
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 20.976, 340.106

Background



This preview shows how black text looks on a background with the CIELCh color 19, 20.976, 340.106.



This preview shows how white text looks on a background with the CIELCh color 19, 20.976, 340.106.

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, 20.976, 340.106

Protanopia

19, 13.088, 284.598

Deuteranopia

19, 6.189, 295.756



Tritanopia
19, 14.662, 15.231

Trichromacy



Original Color
19, 20.976, 340.106

Protanomaly
19, 14.328, 308.754

Deuteranomaly
19, 11.261, 323.571

Tritanomaly
19, 16.216, 359.250

Monochromacy



Original Color
19, 20.976, 340.106

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 8.175, 339.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 20.976, 340.106 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(69, 35, 57)` looks like.

```
.text, #text, p{  
    color:rgb(69, 35, 57)  
}
```

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(69, 35, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 35, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 20.976, 340.106 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(69, 35, 57) }
```

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

```
.border{ border-color:rgb(69, 35, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 35, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 35, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 35, 57);  
box-shadow:4px 4px 4px 4px rgb(69, 35, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 20.976, 340.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 35, 57) }
```

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

```
.background{ background-color: rgb(69, 35,  
57) }
```

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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