

Converting Colors

CIELCh(19, 7.833, 16.464)

Have a look what the booklet for
CIELCh(19, 7.833, 16.464) contains.

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Color

CIELCh(19, 7.940, 16.333)

Conversions

Conversions Part 1

Format	Color
Hex	3A2A2B
RGB	58, 42, 43
RGB Percent	23%, 16%, 17%
CMY	0.7719, 0.8347, 0.8308
CMYK	0.00, 0.28, 0.26, 0.77
HSL	356°, 16%, 20%
HSV	356°, 28%, 23%
XYZ	3.0267, 2.7468, 2.6710
YIQ	46.8980, 9.2150, 3.7030

Conversions

Conversions Part 2

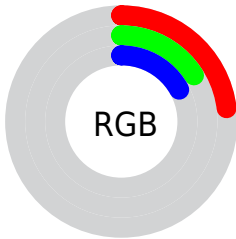
Format	Color
RYB	58, 42, 43
Decimal	3811883
CIELab	19.00, 7.62, 2.23
CIELCh	19, 7.940, 16.333
Yxy	2.7468, 0.3584, 0.3253
Android (android.graphics.Color)	4282001963 (0xFF3A2A2B)
YUV	46.8980, -1.9217, 9.7365
Hunter-Lab	16.5735, 3.5941, 2.0464

Details

The CIELCh color **19, 7.940, 16.333** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 6.910, 192.627**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 8.314, 16.374**, and **0, 2.218, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 11.132, 17.447**, and if you desaturate by 10%, it is **21, 4.907, 15.419**.

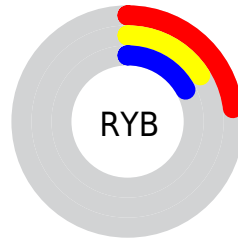
Distribution



 Red (23%)

 Green (16%)

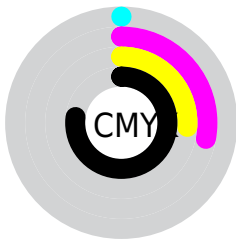
 Blue (17%)



 Red (23%)

 Yellow (16%)

 Blue (17%)

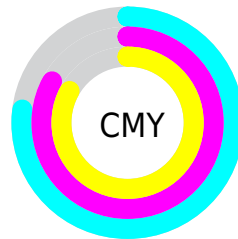


 Cyan (0%)

 Magenta (28%)

 Yellow (26%)

 Black (77%)



 Cyan (77%)

 Magenta (83%)

 Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 7.940, 16.333 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, 7.940, 16.333 by changing the saturation by 10% instead.

 19, 7.940, 16.333  19, 7.940, 16.333

 100, 7.940, 16.333  9, 7.940, 16.333

 39, 7.940, 16.333  0, 7.940, 16.333

 49, 7.940, 16.333

 59, 7.940, 16.333

 69, 7.940, 16.333

 79, 7.940, 16.333

 89, 7.940, 16.333

 99, 7.940, 16.333

 19, 7.940, 16.333  19, 7.940, 16.333

17, 11.132, 17.447

21, 4.907, 15.419

15, 14.461, 18.805

23, 2.043, 14.605

14, 17.883, 20.484

25, 0.652, 194.438

12, 21.323, 22.489

27, 3.187, 193.628

11, 24.427, 23.526

29, 5.572, 193.141

10, 27.046, 23.610

31, 7.820, 192.734

9, 29.719, 22.594

33, 9.944, 192.382

8, 30.429, 22.275

35, 11.956,
192.073

37, 13.869,
191.799

Harmonies

Complementary

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



19, 7.940, 16.333



23, 6.910, 192.627

Rectangle

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



19, 7.940, 16.333



19, 7.940, 66.333



19, 7.940, 196.333



19, 7.940, 246.333

Sweetspot

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



19, 7.939, 16.339



30, 2.739, 14.677



19, 12.820, 323.825



14, 1.915, 14.733



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 7.939, 16.339



24, 12.210, 17.102



21, 6.534, 65.243



9, 1.463, 14.667



17, 44.959, 31.965



46, 90.810, 37.958

Inverse Universe

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



19, 7.939, 16.339



24, 12.210, 17.102



21, 5.968, 251.142



9, 1.463, 14.667



17, 44.959, 31.965



46, 90.810, 37.958

Previews

White Background



This preview shows how the CIELCh color 19, 7.940, 16.333 looks on a white background.

Color Contrast Check

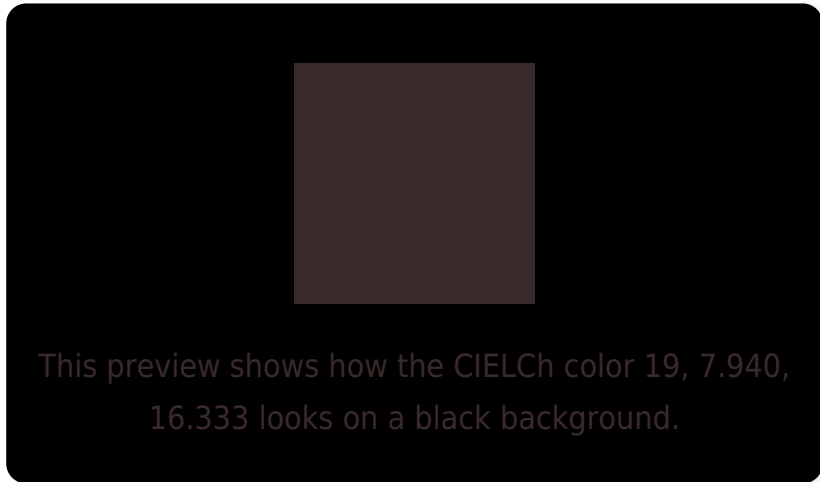
Large Text (above 18pt) WCAG AA ✓ Pass

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

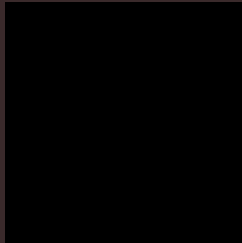
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 7.940, 16.333

Background



This preview shows how black text looks on a background with the CIELCh color 19, 7.940, 16.333.

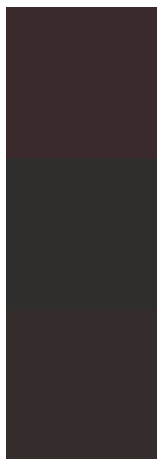


This preview shows how white text looks on a background with the CIELCh color 19, 7.940, 16.333.

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, 7.940, 16.333

Protanopia

19, 0.827, 74.836

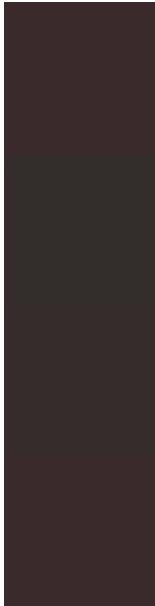
Deuteranopia

19, 3.692, 41.633



Tritanopia
19, 8.055, 6.669

Trichromacy



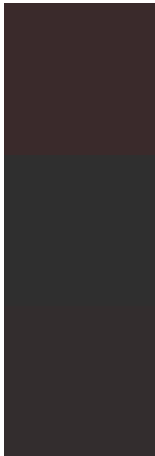
Original Color
19, 7.940, 16.333

Protanomaly
19, 2.989, 33.105

Deuteranomaly
19, 4.971, 28.265

Tritanomaly
19, 7.967, 11.465

Monochromacy



Original Color
19, 7.940, 16.333

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 2.955, 6.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 7.940, 16.333 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(58, 42, 43)` looks like.

```
.text, #text, p{  
    color:rgb(58, 42, 43)  
}
```

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(58, 42, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 42, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 7.940, 16.333 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(58, 42, 43) }
```

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

```
.border{ border-color:rgb(58, 42, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 42, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 42, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 42, 43);  
box-shadow:4px 4px 4px 4px rgb(58, 42, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 7.940, 16.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 42, 43) }
```

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

```
.background{ background-color: rgb(58, 42,  
43) }
```

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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