

Converting Colors

CIELCh(19, 8.839, 16.270)

Have a look what the booklet for
CIELCh(19, 8.839, 16.270) contains.

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Color

CIELCh(19, 8.446, 16.754)

Conversions

Conversions Part 1

Format	Color
Hex	3B2A2B
RGB	59, 42, 43
RGB Percent	23%, 16%, 17%
CMY	0.7691, 0.8358, 0.8318
CMYK	0.00, 0.29, 0.27, 0.77
HSL	356°, 17%, 20%
HSV	356°, 29%, 23%
XYZ	3.0536, 2.7468, 2.6432
YIQ	47.1970, 9.8110, 3.9150

Conversions

Conversions Part 2

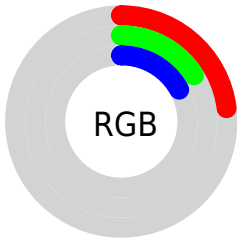
Format	Color
R _Y B	59, 42, 43
Decimal	3877419
CIE Lab	19.00, 8.09, 2.43
CIE LCh	19, 8.446, 16.754
Yxy	2.7468, 0.3616, 0.3253
Android (android.graphics.Color)	4282067499 (0xFF3B2A2B)
YUV	47.1970, -2.0691, 10.3512
Hunter-Lab	16.5735, 3.8837, 2.1456

Details

The CIELCh color **19, 8.446, 16.754** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 7.285, 192.860**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 8.760, 16.657**, and **1, 2.773, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 11.695, 17.897**, and if you desaturate by 10%, it is **21, 5.357, 15.820**.

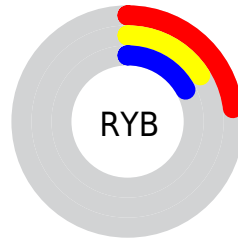
Distribution



Red (23%)

Green (16%)

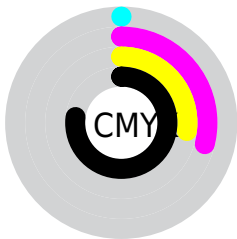
Blue (17%)



Red (23%)

Yellow (16%)

Blue (17%)

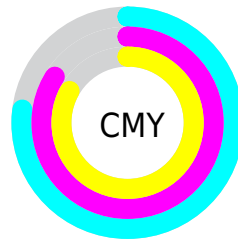


Cyan (0%)

Magenta (29%)

Yellow (27%)

Black (77%)



Cyan (77%)

Magenta (84%)

Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 8.446, 16.754 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, 8.446, 16.754 by changing the saturation by 10% instead.

 19, 8.446, 16.754  19, 8.446, 16.754

 100, 8.446, 16.754  9, 8.446, 16.754

 39, 8.446, 16.754  0, 8.446, 16.754

 49, 8.446, 16.754

 59, 8.446, 16.754

 69, 8.446, 16.754

 79, 8.446, 16.754

 89, 8.446, 16.754

 99, 8.446, 16.754

 19, 8.446, 16.754  19, 8.446, 16.754

17, 11.695, 17.897

21, 5.357, 15.820

15, 15.080, 19.295

23, 2.441, 15.005

14, 18.553, 21.027

25, 0.304, 195.218

12, 22.025, 23.027

27, 2.883, 194.002

11, 25.105, 23.962

29, 5.309, 193.505

10, 27.712, 23.912

31, 7.594, 193.095

9, 30.429, 22.893

33, 9.751, 192.741

8, 30.759, 22.749

36, 11.794,
192.432

38, 13.733,
192.159

Harmonies

Complementary

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



19, 8.446, 16.754



23, 7.285, 192.860

Rectangle

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



19, 8.446, 16.754



19, 8.446, 66.754



19, 8.446, 196.754



19, 8.446, 246.754

Sweetspot

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



19, 8.445, 16.759



30, 3.090, 15.050



19, 13.582, 323.885



14, 2.111, 15.094



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, 8.445, 16.759



24, 13.028, 17.622



21, 6.946, 65.112



10, 1.578, 14.976



18, 46.092, 32.527



46, 91.781, 38.109

Inverse Universe

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



19, 8.445, 16.759



24, 13.028, 17.622



21, 6.312, 251.348



10, 1.578, 14.976



18, 46.092, 32.527



46, 91.781, 38.109

Previews

White Background



This preview shows how the CIELCh color 19, 8.446, 16.754 looks on a white background.

Color Contrast Check

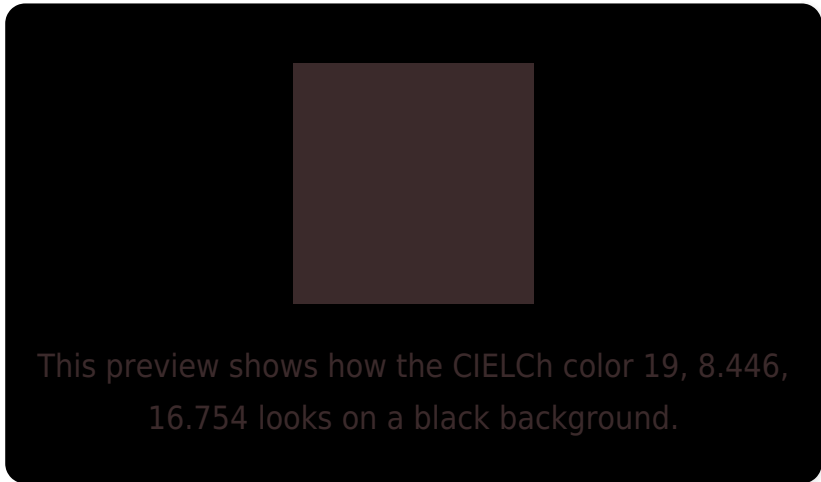
Large Text (above 18pt) WCAG AA ✓ Pass

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

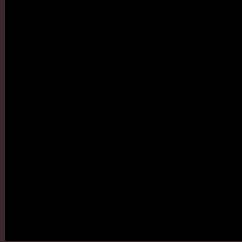
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 8.446, 16.754

Background



This preview shows how black text looks on a background with the CIELCh color 19, 8.446, 16.754.

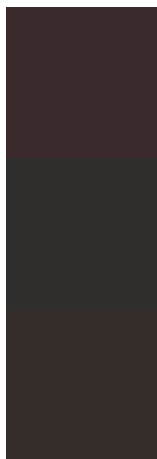


This preview shows how white text looks on a background with the CIELCh color 19, 8.446, 16.754.

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, 8.446, 16.754

Protanopia

19, 0.827, 74.836

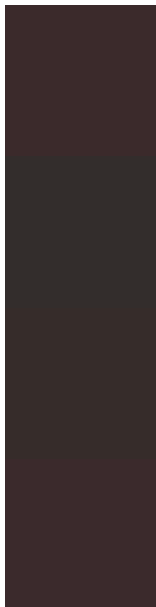
Deuteranopia

19, 4.018, 50.489



Tritanopia
19, 8.538, 7.655

Trichromacy



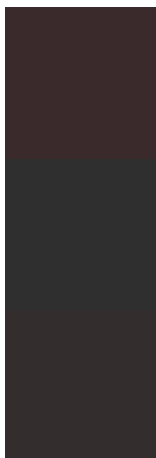
Original Color
19, 8.446, 16.754

Protanomaly
19, 2.989, 33.105

Deuteranomaly
19, 5.147, 35.679

Tritanomaly
19, 8.463, 12.179

Monochromacy



Original Color
19, 8.446, 16.754

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, 8.446, 16.754 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(59, 42, 43)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 42, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 42, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 8.446, 16.754 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(59, 42, 43) }
```

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

```
.border{ border-color:rgb(59, 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(59, 42, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 42, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 42, 43);  
box-shadow:4px 4px 4px 4px rgb(59, 42, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 8.446, 16.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 42, 43) }
```

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

```
.background{ background-color: rgb(59, 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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