

Converting Colors

CIELCh(19, 22.971, 357.654)

Have a look what the booklet for
CIELCh(19, 22.971, 357.654)
contains.

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Color

CIELCh(19, 22.846, 358.495)

Conversions

Conversions Part 1

Format	Color
Hex	4C2030
RGB	76, 32, 48
RGB Percent	30%, 13%, 19%
CMY	0.7034, 0.8758, 0.8131
CMYK	0.00, 0.58, 0.37, 0.70
HSL	338°, 41%, 21%
HSV	338°, 58%, 30%
XYZ	3.9850, 2.7468, 3.0809
YIQ	46.9800, 21.0880, 14.3040

Conversions

Conversions Part 2

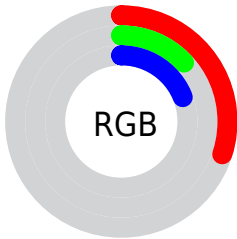
Format	Color
R_{YB}	76, 32, 48
Decimal	4988976
CIE _{Lab}	19.00, 22.84, -0.60
CIE _{LCh}	19, 22.846, 358.495
Yxy	2.7468, 0.4061, 0.2799
Android (android.graphics.Color)	4283179056 (0xFF4C2030)
YUV	46.9800, 0.5029, 25.4505
Hunter-Lab	16.5735, 13.9156, 0.5798

Details

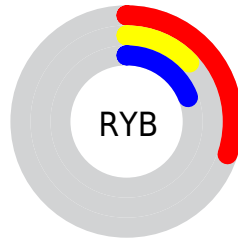
The CIELCh color **19, 22.846, 358.495** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **29, 20.319, 165.883**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 22.985, 358.450**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **17, 26.398, 0.496**, and if you desaturate by 10%, it is **21, 19.000, 356.846**.

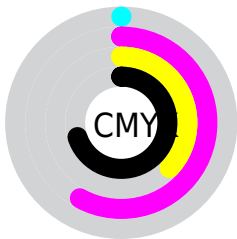
Distribution



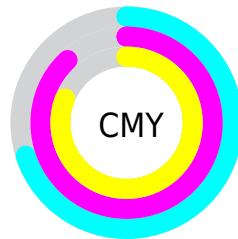
- Red (30%)
- Green (13%)
- Blue (19%)



- Red (30%)
- Yellow (13%)
- Blue (19%)



- Cyan (0%)
- Magenta (58%)
- Yellow (37%)
- Black (70%)



- Cyan (70%)
- Magenta (88%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 22.846, 358.495 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, 22.846, 358.495 by changing the saturation by 10% instead.

 19, 22.846,
358.495

 19, 22.846,
358.495

 100, 22.846,
358.495

 9, 22.846, 358.495

 39, 22.846,
358.495

 0, 22.846, 358.495

 49, 22.846,
358.495

 59, 22.846,
358.495

 69, 22.846,
358.495

 79, 22.846,
358.495

 89, 22.846,

358.495

99, 22.846,
358.495

19, 22.846,
358.495

19, 22.846,
358.495

17, 26.398, 0.496

21, 19.000,
356.846

16, 29.501, 2.956

23, 15.006,
355.458

15, 32.026, 5.995

13, 34.574, 8.952

25, 10.975,
354.267

13, 35.099, 9.448

28, 6.985, 353.224

30, 3.085, 352.272

33, 0.694, 171.858

■ 35, 4.340, 170.849

■ 38, 7.849, 170.156

■ 40, 11.223,
169.535

Harmonies

Complementary

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



19, 22.846, 358.495



29, 20.319, 165.883

Rectangle

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



19, 22.846, 358.495



19, 22.846, 48.495



19, 22.846, 178.495



19, 22.846, 228.495

Sweetspot

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



19, 22.845, 358.497



37, 8.211, 353.178



18, 31.615, 315.821



18, 5.545, 353.270



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



19, 22.845, 358.497



23, 33.676, 1.562



20, 20.929, 34.617



14, 2.140, 352.324



20, 43.288, 11.813



49, 79.193, 15.978

Inverse Universe

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



19, 22.845, 358.497



23, 33.676, 1.562



27, 13.897, 213.530



14, 2.140, 352.324



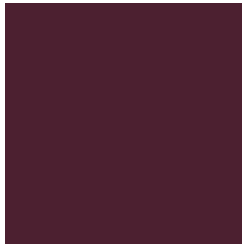
20, 43.288, 11.813



49, 79.193, 15.978

Previews

White Background



This preview shows how the CIE LCh color 19, 22.846, 358.495 looks on a white background.

Color Contrast Check

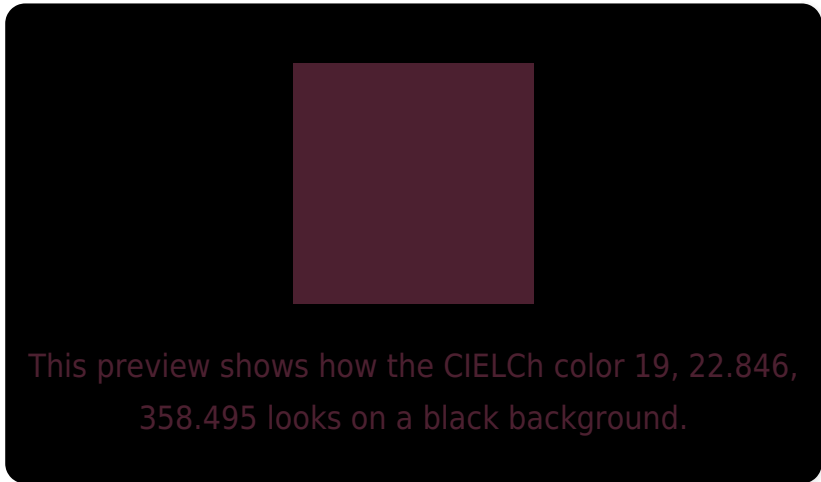
Large Text (above 18pt) WCAG AA ✓ Pass

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

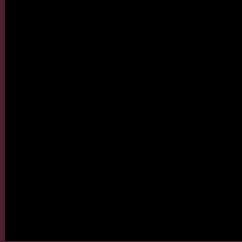
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 22.846, 358.495

Background



This preview shows how black text looks on a background with the CIELCh color 19, 22.846, 358.495.



This preview shows how white text looks on a background with the CIELCh color 19, 22.846, 358.495.

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, 22.846, 358.495

Protanopia

20, 6.866, 284.589

Deuteranopia

19, 3.430, 8.667



Tritanopia
19, 21.071, 21.420

Trichromacy



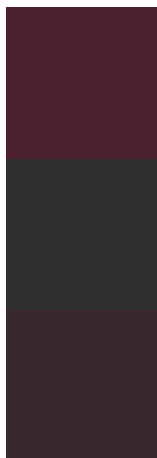
Original Color
19, 22.846, 358.495

Protanomaly
19, 11.244, 329.662

Deuteranomaly
19, 11.130, 356.930

Tritanomaly
19, 21.248, 12.818

Monochromacy



Original Color
19, 22.846, 358.495

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 8.682, 353.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 22.846, 358.495 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(76, 32, 48)` looks like.

```
.text, #text, p{  
    color:rgb(76, 32, 48)  
}
```

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(76, 32, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 32, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 22.846, 358.495 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(76, 32, 48) }
```

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

```
.border{ border-color:rgb(76, 32, 48) }
```

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

Here you see how a box with a 4 pixel rgb(76, 32, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 32, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 32, 48);  
box-shadow:4px 4px 4px 4px rgb(76, 32, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 22.846, 358.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 32, 48) }
```

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

```
.background{ background-color: rgb(76, 32,  
48) }
```

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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