

Converting Colors

CIELCh(19, 10.066, 351.047)

Have a look what the booklet for
CIELCh(19, 10.066, 351.047)
contains.

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Color

CIELCh(19, 10.108, 349.290)

Conversions

Conversions Part 1

Format	Color
Hex	3B2931
RGB	59, 41, 49
RGB Percent	23%, 16%, 19%
CMY	0.7683, 0.8389, 0.8075
CMYK	0.00, 0.30, 0.17, 0.77
HSL	333°, 18%, 20%
HSV	333°, 30%, 23%
XYZ	3.1611, 2.7468, 3.2789
YIQ	47.2940, 8.1600, 6.3040

Conversions

Conversions Part 2

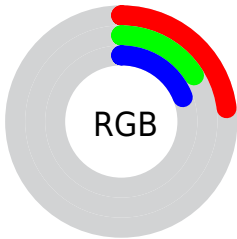
Format	Color
R _Y B	59, 41, 49
Decimal	3877169
CIE Lab	19.00, 9.93, -1.88
CIE LCh	19, 10.108, 349.290
Yxy	2.7468, 0.3441, 0.2990
Android (android.graphics.Color)	4282067249 (0xFF3B2931)
YUV	47.2940, 0.8411, 10.2662
Hunter-Lab	16.5735, 5.0419, -0.1284

Details

The CIELCh color **19, 10.108, 349.290** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 9.686, 164.303**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 10.480, 349.397**, and **1, 4.012, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.482, 350.340**, and if you desaturate by 10%, it is **21, 6.733, 348.358**.

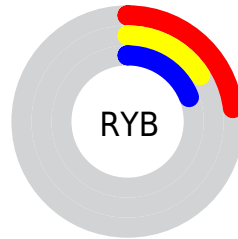
Distribution



 Red (23%)

 Green (16%)

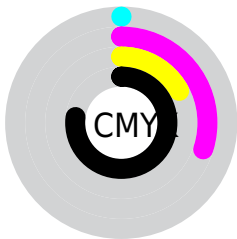
 Blue (19%)



 Red (23%)

 Yellow (16%)

 Blue (19%)

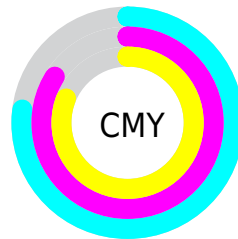


 Cyan (0%)

 Magenta (30%)

 Yellow (17%)

 Black (77%)



 Cyan (77%)

 Magenta (84%)

 Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.108, 349.290 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, 10.108, 349.290 by changing the saturation by 10% instead.

■ 19, 10.108,
349.290

■ 19, 10.108,
349.290

■ 100, 10.108,
349.290

■ 9, 10.108, 349.290

■ 39, 10.108,
349.290

■ 0, 10.108, 349.290

■ 49, 10.108,
349.290


■ 59, 10.108,
349.290


■ 69, 10.108,
349.290


■ 79, 10.108,
349.290


■ 89, 10.108,

349.290


 99, 10.108,
349.290

 19, 10.108,
349.290


 19, 10.108,
349.290

 17, 13.482,
350.340


 21, 6.733, 348.358

 15, 16.792,
351.536


 23, 3.405, 347.500

 14, 19.945,
352.928

 25, 0.153, 345.619


 12, 22.825,
354.578

 27, 3.008, 166.168

 11, 25.306,
356.568

 29, 6.070, 165.501

 31, 9.031, 164.903

 33, 11.894,

■ 10, 27.525,
358.738

164.350

■ 9, 29.982, 0.407

■ 35, 14.662,
163.837

■ 37, 17.341,
163.357

Harmonies

Complementary

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



19, 10.108, 349.290



23, 9.686, 164.303

Rectangle

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



19, 10.108, 349.290



19, 10.108, 39.290



19, 10.108, 169.290



19, 10.108, 219.290

Sweetspot

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



19, 10.107, 349.292



30, 3.627, 347.411



18, 13.184, 311.990



14, 2.475, 347.457



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, 10.107, 349.292



24, 15.285, 350.143



19, 8.625, 25.347



10, 1.855, 347.332



18, 40.843, 3.954



47, 76.018, 8.002

Inverse Universe

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



19, 10.107, 349.292



24, 15.285, 350.143



23, 7.195, 202.988



10, 1.855, 347.332



18, 40.843, 3.954



47, 76.018, 8.002

Previews

White Background



This preview shows how the CIE LCh color 19, 10.108, 349.290 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

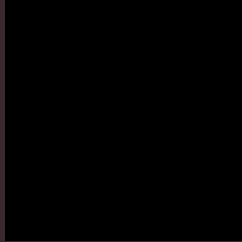
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 10.108, 349.290

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.108, 349.290.

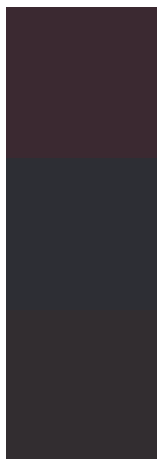


This preview shows how white text looks on a background with the CIELCh color 19, 10.108, 349.290.

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, 10.108, 349.290

Protanopia

19, 4.130, 284.954

Deuteranopia

19, 3.138, 339.214



Tritanopia
19, 8.538, 7.655

Trichromacy



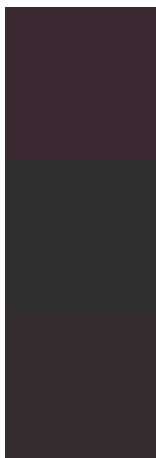
Original Color
19, 10.108, 349.290

Protanomaly
19, 5.572, 321.009

Deuteranomaly
19, 5.077, 348.016

Tritanomaly
19, 8.668, 3.243

Monochromacy



Original Color
19, 10.108, 349.290

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 3.510, 344.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.108, 349.290 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, 41, 49)` looks like.

```
.text, #text, p{  
    color:rgb(59, 41, 49)  
}
```

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, 41, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 41, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.108, 349.290 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, 41, 49) }
```

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

```
.border{ border-color:rgb(59, 41, 49) }
```

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

Here you see how a box with a 4 pixel rgb(59, 41, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 41, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 41, 49);  
box-shadow:4px 4px 4px 4px rgb(59, 41, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.108, 349.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 41, 49) }
```

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

```
.background{ background-color: rgb(59, 41,  
49) }
```

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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