

Converting Colors

CIELCh(19, 16.313, 96.512)

Have a look what the booklet for
CIELCh(19, 16.313, 96.512) contains.

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Color

CIELCh(19, 16.313, 96.512)

Conversions

Conversions Part 1

Format	Color
Hex	332E16
RGB	51, 46, 22
RGB Percent	20%, 18%, 9%
CMY	0.7988, 0.8185, 0.9127
CMYK	0.00, 0.10, 0.57, 0.80
HSL	50°, 39%, 14%
HSV	50°, 57%, 20%
XYZ	2.5159, 2.7468, 1.1703
YIQ	44.7590, 10.6840, -6.4040

Conversions

Conversions Part 2

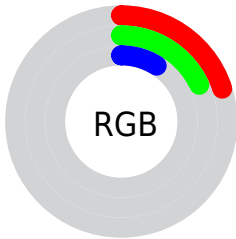
Format	Color
RYB	28, 51, 22
Decimal	3354134
CIELab	19.00, -1.85, 16.21
CIELCh	19, 16.313, 96.512
Yxy	2.7468, 0.3911, 0.4270
Android (android.graphics.Color)	4281544214 (0xFF332E16)
YUV	44.7590, -11.2202, 5.4734
Hunter-Lab	16.5735, -1.9071, 7.4150

Details

The CIELCh color **19, 16.313, 96.512** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 17.624, 289.607**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 16.597, 97.859**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 19.030, 95.518**, and if you desaturate by 10%, it is **19, 13.487, 97.513**.

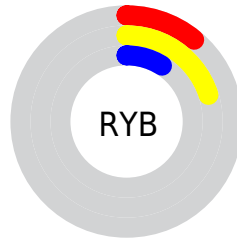
Distribution



Red (20%)

Green (18%)

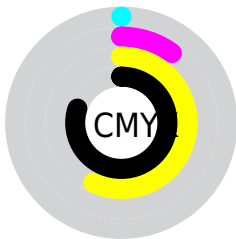
Blue (9%)



Red (11%)

Yellow (20%)

Blue (9%)

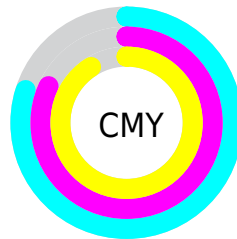


Cyan (0%)

Magenta (10%)

Yellow (57%)

Black (80%)



Cyan (80%)

Magenta (82%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.313, 96.512 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, 16.313, 96.512 by changing the saturation by 10% instead.

 19, 16.313, 96.512

 19, 16.313, 96.512

 100, 16.313,
96.512

 9, 16.313, 96.512

 39, 16.313, 96.512

 0, 16.313, 96.512

 49, 16.313, 96.512

 59, 16.313, 96.512

 69, 16.313, 96.512

 79, 16.313, 96.512

 89, 16.313, 96.512

 99, 16.313, 96.512

■ 19, 16.313, 96.512

■ 19, 16.313, 96.512

■ 19, 19.030, 95.518

■ 19, 13.487, 97.513

■ 18, 21.252, 94.589

■ 20, 10.608, 98.503

■ 18, 22.955, 93.709

■ 20, 7.705, 99.480

■ 18, 24.612, 92.949

■ 21, 4.798, 100.438

■ 17, 25.177, 92.715

■ 21, 1.899, 101.361

■ 22, 0.985, 282.361

■ 22, 3.850, 283.206

■ 22, 6.694, 284.055

■ 23, 9.515, 284.876

Harmonies

Complementary

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



19, 16.313, 96.512



11, 17.624, 289.607

Rectangle

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



19, 16.313, 96.512



19, 16.313, 146.512



19, 16.313, 276.512



19, 16.313, 326.512

Sweetspot

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



19, 16.313, 96.515



27, 6.099, 100.317



12, 15.572, 10.908



12, 3.991, 100.315



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 16.313, 96.515



25, 23.966, 95.028



20, 19.618, 119.805



9, 1.584, 101.225



32, 40.507, 91.216



74, 76.512, 90.054

Inverse Universe

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



11, 17.624, 289.607



12, 26.860, 292.647



10, 21.701, 305.856



8, 1.603, 282.807



10, 52.525, 301.359



30, 107.337, 303.517

Previews

White Background



This preview shows how the CIELCh color 19, 16.313, 96.512 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



This preview shows how the CIELCh color 19, 16.313, 96.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

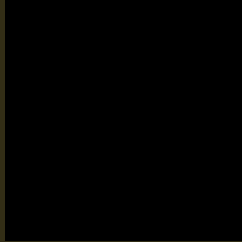
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 16.313, 96.512

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.313, 96.512.

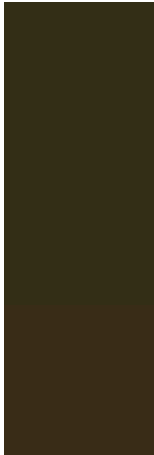


This preview shows how white text looks on a background with the CIELCh color 19, 16.313, 96.512.

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, 16.313, 96.512

Protanopia

19, 16.313, 96.512

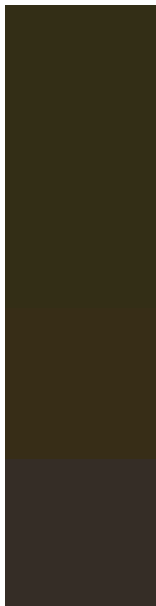
Deuteranopia

19, 16.053, 80.132



Tritanopia
19, 5.208, 357.480

Trichromacy



Original Color
19, 16.313, 96.512

Protanomaly
19, 16.313, 96.512

Deuteranomaly
19, 15.889, 86.277

Tritanomaly
19, 6.293, 68.892

Monochromacy



Original Color
19, 16.313, 96.512

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.564, 98.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.313, 96.512 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(51, 46, 22)` looks like.

```
.text, #text, p{  
    color:rgb(51, 46, 22)  
}
```

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(51, 46, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 46, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.313, 96.512 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(51, 46, 22) }
```

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

```
.border{ border-color:rgb(51, 46, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 46, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 46, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 46, 22);  
box-shadow:4px 4px 4px 4px rgb(51, 46, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.313, 96.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 46, 22) }
```

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

```
.background{ background-color: rgb(51, 46,  
22) }
```

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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