

Converting Colors

CIELCh(19, 16.133, 97.500)

Have a look what the booklet for
CIELCh(19, 16.133, 97.500) contains.

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Color

CIELCh(19, 15.684, 96.323)

Conversions

Conversions Part 1

Format	Color
Hex	332E17
RGB	51, 46, 23
RGB Percent	20%, 18%, 9%
CMY	0.7990, 0.8186, 0.9089
CMYK	0.00, 0.10, 0.55, 0.80
HSL	49°, 38%, 15%
HSV	49°, 55%, 20%
XYZ	2.5221, 2.7468, 1.2202
YIQ	44.8730, 10.3630, -6.0930

Conversions

Conversions Part 2

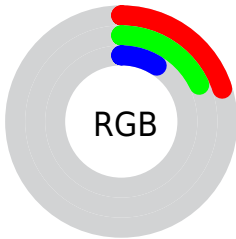
Format	Color
RYB	29, 51, 23
Decimal	3354135
CIELab	19.00, -1.73, 15.59
CIElCh	19, 15.684, 96.323
Yxy	2.7468, 0.3887, 0.4233
Android (android.graphics.Color)	4281544215 (0xFF332E17)
YUV	44.8730, -10.7834, 5.3734
Hunter-Lab	16.5735, -1.8400, 7.2363

Details

The CIELCh color **19, 15.684, 96.323** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 16.838, 288.933**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 16.007, 97.624**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 18.424, 95.317**, and if you desaturate by 10%, it is **19, 12.858, 97.331**.

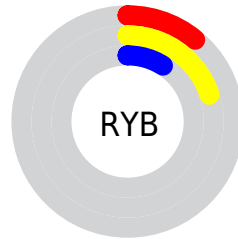
Distribution



Red (20%)

Green (18%)

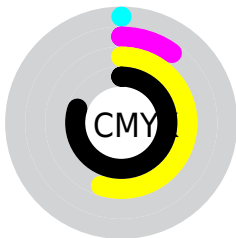
Blue (9%)



Red (11%)

Yellow (20%)

Blue (9%)

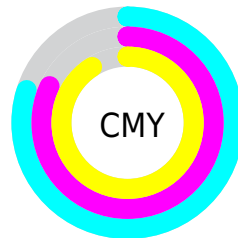


Cyan (0%)

Magenta (10%)

Yellow (55%)

Black (80%)



Cyan (80%)

Magenta (82%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.684, 96.323 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, 15.684, 96.323 by changing the saturation by 10% instead.

 19, 15.684, 96.323

 19, 15.684, 96.323

 100, 15.684,
96.323

 9, 15.684, 96.323

 39, 15.684, 96.323

 0, 15.684, 96.323

 49, 15.684, 96.323

 59, 15.684, 96.323

 69, 15.684, 96.323

 79, 15.684, 96.323

 89, 15.684, 96.323

 99, 15.684, 96.323

■ 19, 15.684, 96.323

■ 19, 15.684, 96.323

■ 19, 18.424, 95.317

■ 19, 12.858, 97.331

■ 18, 20.757, 94.359

■ 20, 9.987, 98.326

■ 18, 22.503, 93.441

■ 20, 7.100, 99.306

■ 18, 24.147, 92.635

■ 21, 4.212, 100.264

■ 17, 25.022, 92.253

■ 21, 1.335, 101.176

■ 22, 1.525, 282.169

■ 22, 4.364, 283.029

■ 23, 7.181, 283.877

■ 23, 9.975, 284.695

Harmonies

Complementary

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



19, 15.684, 96.323



11, 16.838, 288.933

Rectangle

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



19, 15.684, 96.323



19, 15.684, 146.323



19, 15.684, 276.323



19, 15.684, 326.323

Sweetspot

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



19, 15.684, 96.327



27, 5.703, 100.061



12, 15.006, 10.573



12, 3.767, 100.043



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, 15.684, 96.327



25, 23.214, 94.842



20, 18.982, 119.882



9, 1.574, 100.873



32, 40.386, 90.746



74, 76.276, 89.533

Inverse Universe

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



11, 16.838, 288.933



13, 25.783, 291.888



10, 20.910, 305.715



8, 1.592, 282.465



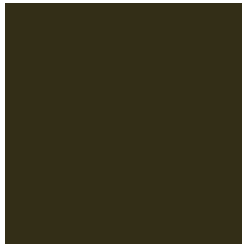
10, 52.163, 301.144



30, 106.718, 303.346

Previews

White Background



This preview shows how the CIELCh color 19, 15.684, 96.323 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 CIE LCh color 19, 15.684, 96.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

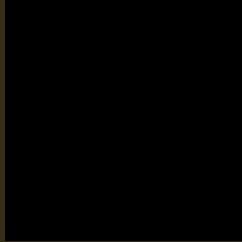
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 15.684, 96.323

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.684, 96.323.

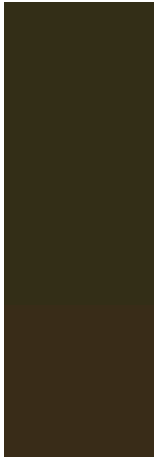


This preview shows how white text looks on a background with the CIELCh color 19, 15.684, 96.323.

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

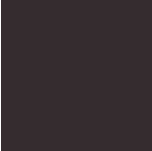
19, 15.684, 96.323

Protanopia

19, 15.684, 96.323

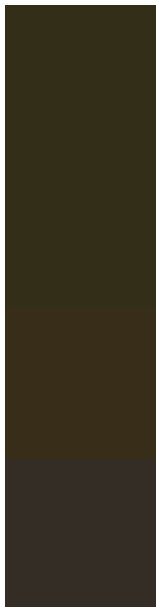
Deuteranopia

19, 15.456, 79.313



Tritanopia
19, 4.766, 355.045

Trichromacy



Original Color
19, 15.684, 96.323

Protanomaly
19, 15.684, 96.323

Deuteranomaly
19, 15.273, 85.680

Tritanomaly
19, 5.968, 72.614

Monochromacy



Original Color
19, 15.684, 96.323

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, 15.684, 96.323 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(51, 46, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 46, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.684, 96.323 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, 23) }
```

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

```
.border{ border-color:rgb(51, 46, 23) }
```

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, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 46, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 46, 23);  
box-shadow:4px 4px 4px 4px rgb(51, 46, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.684, 96.323 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, 23) }
```

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

```
.background{ background-color: rgb(51, 46,  
23) }
```

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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