

Converting Colors

CIELCh(19, 15.502, 108.266)

Have a look what the booklet for
CIELCh(19, 15.502, 108.266)
contains.

CIELCh(19, 15.990, 108.129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 15.990, 108.129)

Conversions

Conversions Part 1

Format	Color
Hex	2F3018
RGB	47, 48, 24
RGB Percent	18%, 19%, 9%
CMY	0.8171, 0.8131, 0.9071
CMYK	0.02, 0.00, 0.50, 0.81
HSL	63°, 34%, 14%
HSV	63°, 50%, 19%
XYZ	2.3609, 2.7468, 1.2526
YIQ	44.9650, 7.1080, -7.6760

Conversions

Conversions Part 2

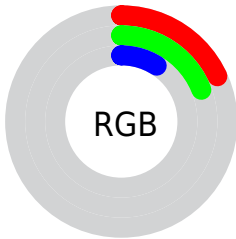
Format	Color
R_{YB}	24, 48, 25
Decimal	3092504
CIE Lab	19.00, -4.98, 15.20
CIE LCh	19, 15.990, 108.129
Yxy	2.7468, 0.3712, 0.4319
Android (android.graphics.Color)	4281282584 (0xFF2F3018)
YUV	44.9650, -10.3357, 1.7847
Hunter-Lab	16.5735, -3.5765, 7.1205

Details

The CIELCh color **19, 15.990, 108.129** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 17.812, 297.020**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 16.299, 107.602**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 18.938, 107.453**, and if you desaturate by 10%, it is **19, 12.921, 108.848**.

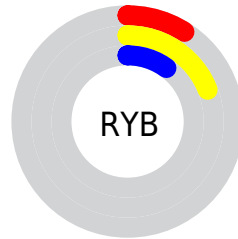
Distribution



 Red (18%)

 Green (19%)

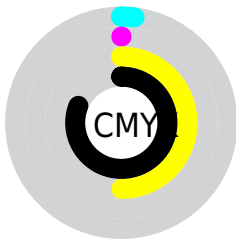
 Blue (9%)




 Red (9%)

 Yellow (19%)

 Blue (10%)

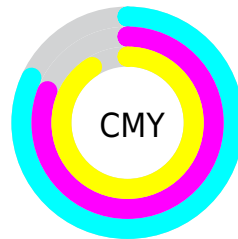


 Cyan (2%)

 Magenta (0%)

 Yellow (50%)

 Black (81%)



 Cyan (82%)

 Magenta (81%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.990, 108.129 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, 15.990, 108.129 by changing the saturation by 10% instead.

■ 19, 15.990,
108.129

■ 19, 15.990,
108.129

■ 100, 15.990,
108.129

■ 9, 15.990, 108.129

■ 39, 15.990,
108.129

■ 0, 15.990, 108.129

■ 49, 15.990,
108.129


■ 59, 15.990,
108.129


■ 69, 15.990,
108.129


■ 79, 15.990,
108.129


■ 89, 15.990,

108.129


 99, 15.990,
108.129

 19, 15.990,
108.129


 19, 15.990,
108.129

 19, 18.938,
107.453

 19, 12.921,
108.848

 19, 21.603,
106.913


 19, 9.772, 109.585

 19, 23.723,
106.639

 19, 6.572, 110.330

 19, 25.642,
106.469

 20, 3.343, 111.072

 19, 27.503,
106.339

 20, 3.152, 292.538

■ 20, 6.399, 293.235

■ 20, 9.638, 293.911

■ 21, 12.865,
294.561

Harmonies

Complementary

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



19, 15.990, 108.129



9, 17.812, 297.020

Rectangle

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



19, 15.990, 108.129



19, 15.990, 158.129



19, 15.990, 288.129



19, 15.990, 338.129

Sweetspot

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



19, 15.990, 108.132



26, 5.996, 110.667



12, 12.775, 25.824



11, 3.993, 110.653



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



19, 15.990, 108.132



25, 23.151, 107.268



18, 17.383, 128.301



8, 1.617, 111.899



35, 44.217, 105.262



82, 85.086, 105.478

Inverse Universe

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



9, 17.812, 297.020



11, 26.780, 298.914



11, 18.366, 312.213



7, 1.621, 291.770



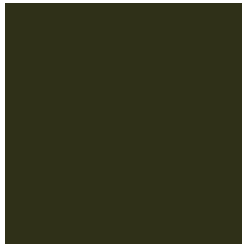
6, 60.200, 306.300



27, 117.119, 306.390

Previews

White Background



This preview shows how the CIELCh color 19, 15.990, 108.129 looks on a white background.

Color Contrast Check

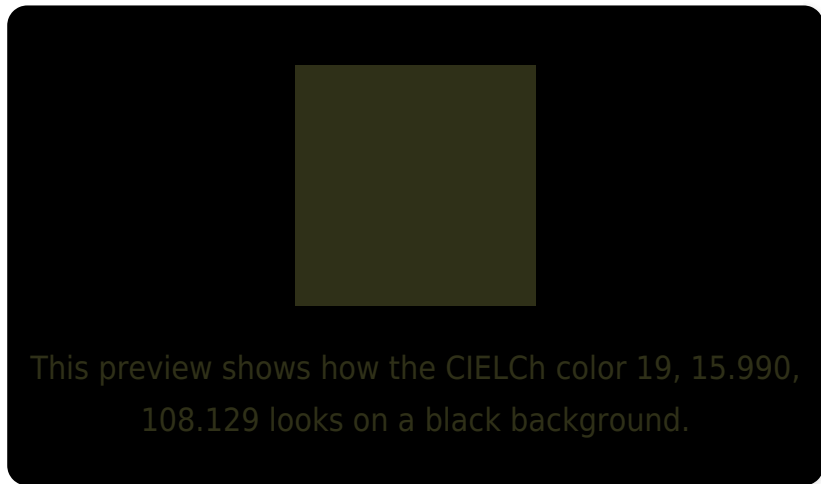
Large Text (above 18pt) WCAG AA ✓ Pass

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

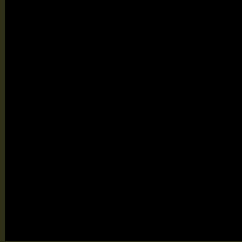
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

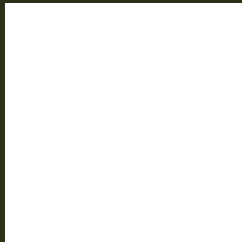
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 15.990, 108.129

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.990, 108.129.

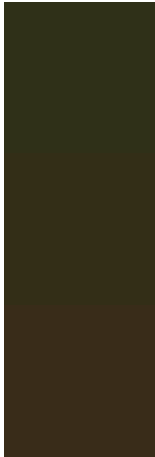


This preview shows how white text looks on a background with the CIELCh color 19, 15.990, 108.129.

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, 15.990, 108.129

Protanopia

19, 15.684, 96.323

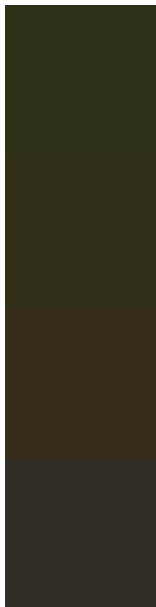
Deuteranopia

19, 14.859, 78.410



Tritanopia
19, 2.800, 332.733

Trichromacy



Original Color
19, 15.990, 108.129

Protanomaly
19, 16.060, 102.322

Deuteranomaly
19, 14.255, 89.052

Tritanomaly
19, 4.876, 97.224

Monochromacy



Original Color
19, 15.990, 108.129

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 6.140, 108.634

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 19, 15.990, 108.129 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(47, 48, 24)` looks like.

```
.text, #text, p{  
    color:rgb(47, 48, 24)  
}
```

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(47, 48, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 48, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.990, 108.129 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(47, 48, 24) }
```

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

```
.border{ border-color:rgb(47, 48, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 48, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 48, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 48, 24);  
box-shadow:4px 4px 4px 4px rgb(47, 48, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.990, 108.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 48, 24) }
```

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

```
.background{ background-color: rgb(47, 48,  
24) }
```

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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