

Converting Colors

CIELCh(19, 13.760, 106.086)

Have a look what the booklet for
CIELCh(19, 13.760, 106.086)
contains.

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Color

CIELCh(19, 13.460, 104.563)

Conversions

Conversions Part 1

Format	Color
Hex	302F1B
RGB	48, 47, 27
RGB Percent	19%, 18%, 11%
CMY	0.8115, 0.8155, 0.8939
CMYK	0.00, 0.02, 0.44, 0.81
HSL	57°, 28%, 15%
HSV	57°, 44%, 19%
XYZ	2.4390, 2.7468, 1.4419
YIQ	45.0190, 7.0160, -6.0080

Conversions

Conversions Part 2

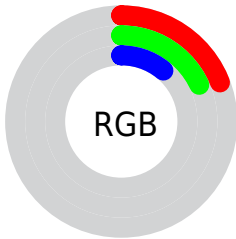
Format	Color
RYB	28, 48, 27
Decimal	3157787
CIELab	19.00, -3.38, 13.03
CIELCh	19, 13.460, 104.563
Yxy	2.7468, 0.3680, 0.4144
Android (android.graphics.Color)	4281347867 (0xFF302F1B)
YUV	45.0190, -8.8834, 2.6143
Hunter-Lab	16.5735, -2.7355, 6.4433

Details

The CIELCh color **19, 13.460, 104.563** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 14.615, 293.034**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.366, 104.153**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 16.408, 103.748**, and if you desaturate by 10%, it is **19, 10.434, 105.401**.

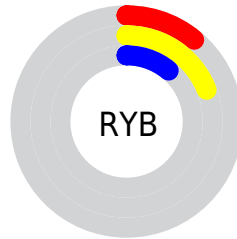
Distribution



Red (19%)

Green (18%)

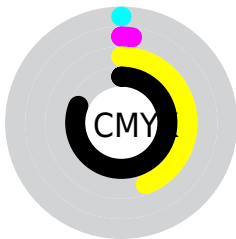
Blue (11%)



Red (11%)

Yellow (19%)

Blue (11%)

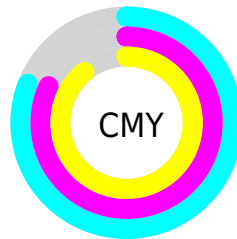


Cyan (0%)

Magenta (2%)

Yellow (44%)

Black (81%)



Cyan (81%)

Magenta (82%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.460, 104.563 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, 13.460, 104.563 by changing the saturation by 10% instead.

■ 19, 13.460,
104.563

■ 19, 13.460,
104.563

■ 100, 13.460,
104.563

■ 9, 13.460, 104.563

■ 39, 13.460,
104.563

■ 0, 13.460, 104.563

■ 49, 13.460,
104.563


■ 59, 13.460,
104.563


■ 69, 13.460,
104.563


■ 79, 13.460,
104.563


■ 89, 13.460,


104.563


 99, 13.460,
104.563

 19, 13.460,
104.563


 19, 13.460,
104.563

 19, 16.408,
103.748

 19, 10.434,
105.401


 19, 19.229,
102.959

 19, 7.361, 106.240


 19, 21.632,
102.345

 20, 4.261, 107.074

 20, 1.150, 107.880

 18, 23.527,
101.896

 20, 1.964, 288.733

 18, 25.343,
101.528

 20, 5.072, 289.513

■ 18, 26.487,
101.327

■ 21, 8.171, 290.275

■ 21, 11.257,
291.012

■ 21, 14.327,
291.721

Harmonies

Complementary

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



19, 13.460, 104.563



11, 14.615, 293.034

Rectangle

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



19, 13.460, 104.563



19, 13.460, 154.563



19, 13.460, 284.563



19, 13.460, 334.563

Sweetspot

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



19, 13.461, 104.566



27, 5.126, 107.069



13, 11.189, 18.958



13, 3.625, 107.006



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, 13.461, 104.566



26, 20.119, 103.638



18, 14.941, 125.560



8, 1.535, 108.107



34, 42.758, 99.990



80, 82.029, 99.719

Inverse Universe

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



11, 14.615, 293.034



14, 22.486, 294.798



12, 15.826, 309.231



7, 1.546, 288.308



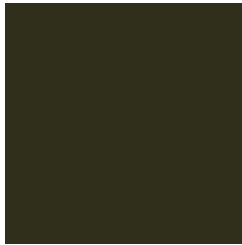
7, 57.889, 304.810



27, 115.306, 305.811

Previews

White Background



This preview shows how the CIE LCh color 19, 13.460, 104.563 looks on a white background.

Color Contrast Check

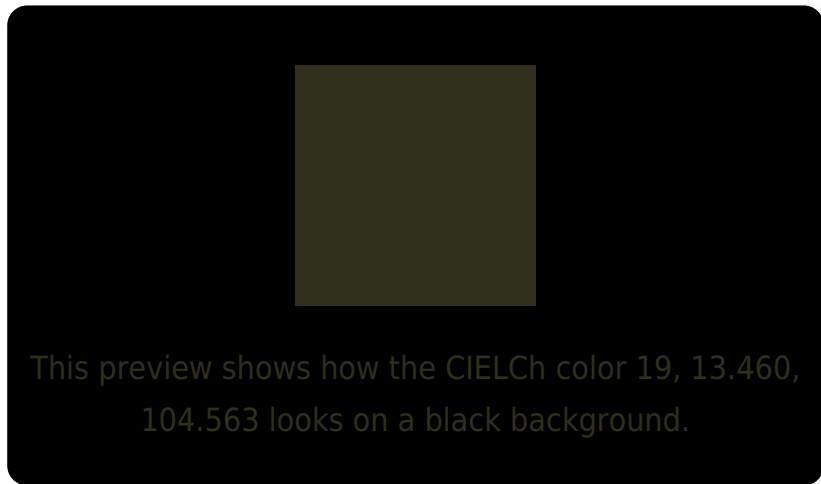
Large Text (above 18pt) WCAG AA ✓ Pass

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

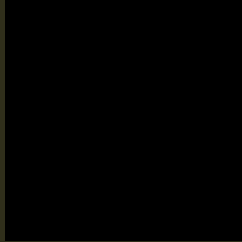
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

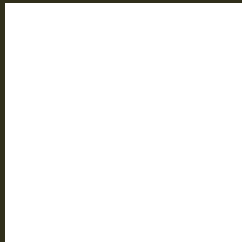
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 13.460, 104.563

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.460, 104.563.

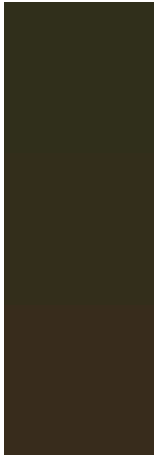


This preview shows how white text looks on a background with the CIELCh color 19, 13.460, 104.563.

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, 13.460, 104.563

Protanopia

19, 13.125, 95.215

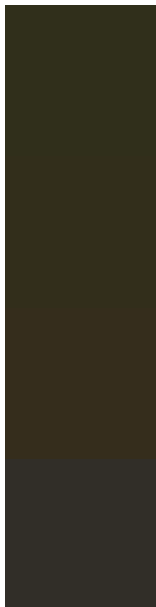
Deuteranopia

19, 12.781, 77.097



Tritanopia
19, 3.138, 339.214

Trichromacy



Original Color
19, 13.460, 104.563

Protanomaly
19, 13.019, 97.522

Deuteranomaly
19, 12.359, 87.018

Tritanomaly
19, 4.352, 89.199

Monochromacy



Original Color
19, 13.460, 104.563

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 5.460, 108.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.460, 104.563 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(48, 47, 27)` looks like.

```
.text, #text, p{  
    color:rgb(48, 47, 27)  
}
```

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(48, 47, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 47, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.460, 104.563 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(48, 47, 27) }
```

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

```
.border{ border-color:rgb(48, 47, 27) }
```

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

Here you see how a box with a 4 pixel rgb(48, 47, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 47, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 47, 27);  
box-shadow:4px 4px 4px 4px rgb(48, 47, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.460, 104.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 47, 27) }
```

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

```
.background{ background-color: rgb(48, 47,  
27) }
```

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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