

Converting Colors

CIELCh(19, 12.727, 106.158)

Have a look what the booklet for
CIELCh(19, 12.727, 106.158)
contains.

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Color

CIELCh(19, 12.808, 104.624)

Conversions

Conversions Part 1

Format	Color
Hex	302F1C
RGB	48, 47, 28
RGB Percent	19%, 18%, 11%
CMY	0.8117, 0.8156, 0.8901
CMYK	0.00, 0.02, 0.42, 0.81
HSL	57°, 26%, 15%
HSV	57°, 42%, 19%
XYZ	2.4465, 2.7468, 1.5007
YIQ	45.1330, 6.6950, -5.6970

Conversions

Conversions Part 2

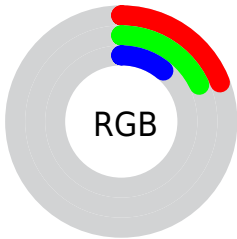
Format	Color
RYB	29, 48, 28
Decimal	3157788
CIELab	19.00, -3.23, 12.39
CIElCh	19, 12.808, 104.624
Yxy	2.7468, 0.3655, 0.4103
Android (android.graphics.Color)	4281347868 (0xFF302F1C)
YUV	45.1330, -8.4466, 2.5144
Hunter-Lab	16.5735, -2.6549, 6.2330

Details

The CIELCh color **19, 12.808, 104.624** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 13.835, 292.645**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 12.744, 106.118**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.768, 103.802**, and if you desaturate by 10%, it is **19, 9.779, 105.466**.

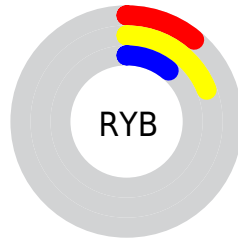
Distribution



Red (19%)

Green (18%)

Blue (11%)



Red (11%)

Yellow (19%)

Blue (11%)

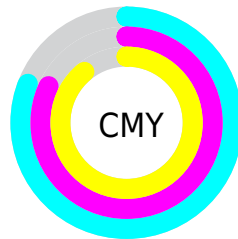


Cyan (0%)

Magenta (2%)

Yellow (42%)

Black (81%)



Cyan (81%)

Magenta (82%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.808, 104.624 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, 12.808, 104.624 by changing the saturation by 10% instead.

■ 19, 12.808,
104.624

■ 19, 12.808,
104.624

■ 100, 12.808,
104.624

■ 9, 12.808, 104.624

■ 39, 12.808,
104.624

■ 0, 12.808, 104.624

■ 49, 12.808,
104.624


■ 59, 12.808,
104.624


■ 69, 12.808,
104.624


■ 79, 12.808,
104.624


■ 89, 12.808,

104.624


 99, 12.808,
104.624

 19, 12.808,
104.624


 19, 12.808,
104.624

 19, 15.768,
103.802


 19, 9.779, 105.466

 19, 18.615,
103.001


 19, 6.707, 106.307

 19, 21.126,
102.336

 20, 3.613, 107.139

 18, 23.086,
101.858

 20, 2.592, 288.792

 18, 24.894,
101.471

 20, 5.689, 289.571

 21, 8.775, 290.330

■ 18, 26.403,
101.197

■ 21, 11.847,
291.063

■ 21, 14.903,
291.766

Harmonies

Complementary

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



19, 12.808, 104.624



12, 13.835, 292.645

Rectangle

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



19, 12.808, 104.624



19, 12.808, 154.624



19, 12.808, 284.624



19, 12.808, 334.624

Sweetspot

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



19, 12.809, 104.628



26, 4.562, 107.060



13, 10.600, 18.702



11, 2.954, 107.078



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, 12.809, 104.628



25, 18.703, 103.728



18, 14.245, 125.642



8, 1.531, 108.001



34, 42.692, 99.843



80, 81.892, 99.558

Inverse Universe

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



12, 13.835, 292.645



14, 20.750, 294.295



12, 15.043, 309.129



7, 1.542, 288.211



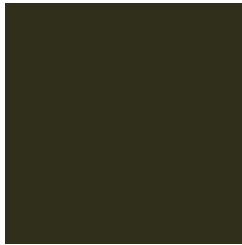
7, 57.769, 304.753



27, 115.207, 305.788

Previews

White Background



This preview shows how the CIELCh color 19, 12.808, 104.624 looks on a white background.

Color Contrast Check

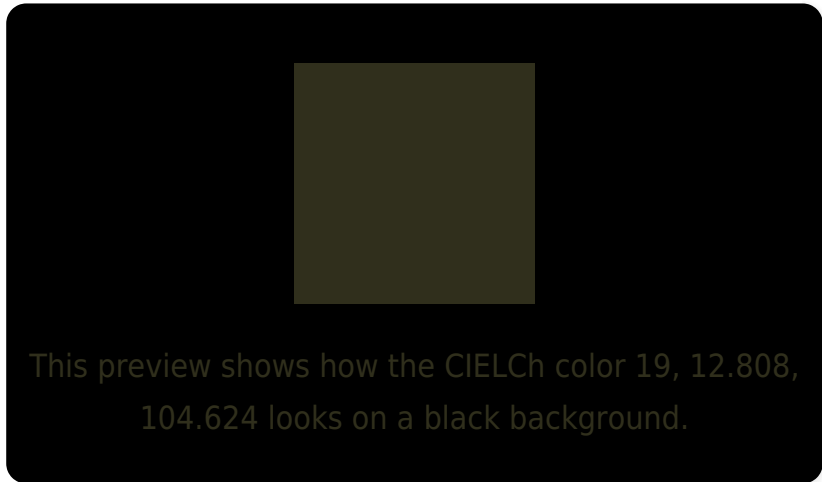
Large Text (above 18pt) WCAG AA ✓ Pass

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

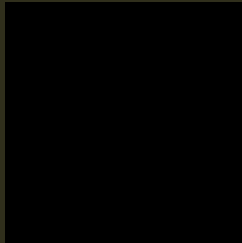
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 12.808, 104.624

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.808, 104.624.

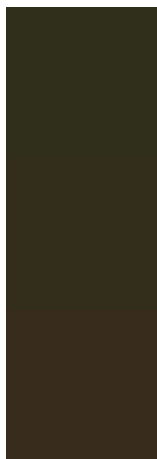


This preview shows how white text looks on a background with the CIELCh color 19, 12.808, 104.624.

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, 12.808, 104.624

Protanopia

19, 12.478, 94.822

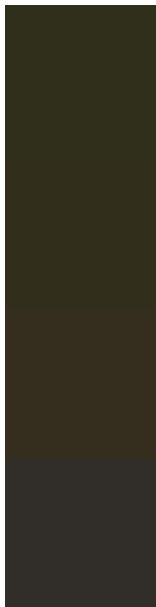
Deuteranopia

19, 12.187, 75.793



Tritanopia
19, 3.138, 339.214

Trichromacy



Original Color
19, 12.808, 104.624

Protanomaly
19, 12.368, 97.235

Deuteranomaly
19, 11.727, 86.152

Tritanomaly
19, 3.714, 85.907

Monochromacy



Original Color
19, 12.808, 104.624

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 4.780, 108.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 12.808, 104.624 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(48, 47, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 47, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 12.808, 104.624 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, 28) }
```

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

```
.border{ border-color:rgb(48, 47, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 47, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 47, 28);  
box-shadow:4px 4px 4px 4px rgb(48, 47, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 12.808, 104.624 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, 28) }
```

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

```
.background{ background-color: rgb(48, 47,  
28) }
```

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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