

Converting Colors

CIELCh(19, 12.993, 107.455)

Have a look what the booklet for
CIELCh(19, 12.993, 107.455)
contains.

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Color

CIELCh(19, 12.797, 106.976)

Conversions

Conversions Part 1

Format	Color
Hex	2F2F1C
RGB	47, 47, 28
RGB Percent	18%, 18%, 11%
CMY	0.8147, 0.8148, 0.8893
CMYK	0.00, 0.00, 0.40, 0.81
HSL	60°, 25%, 15%
HSV	60°, 40%, 19%
XYZ	2.4216, 2.7468, 1.5151
YIQ	44.8340, 6.0990, -5.9090

Conversions

Conversions Part 2

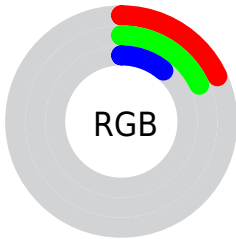
Format	Color
RYB	28, 47, 28
Decimal	3092252
CIELab	19.00, -3.74, 12.24
CIELCh	19, 12.797, 106.976
Yxy	2.7468, 0.3623, 0.4110
Android (android.graphics.Color)	4281282332 (0xFF2F2F1C)
YUV	44.8340, -8.2992, 1.8996
Hunter-Lab	16.5735, -2.9231, 6.1812

Details

The CIELCh color **19, 12.797, 106.976** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 13.890, 294.359**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 12.738, 108.156**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.844, 106.211**, and if you desaturate by 10%, it is **19, 9.673, 107.768**.

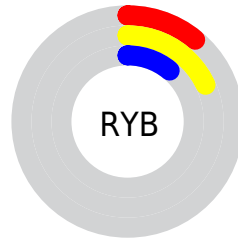
Distribution



Red (18%)

Green (18%)

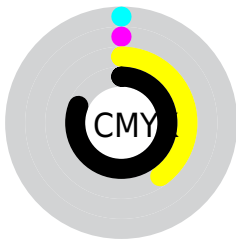
Blue (11%)



Red (11%)

Yellow (18%)

Blue (11%)

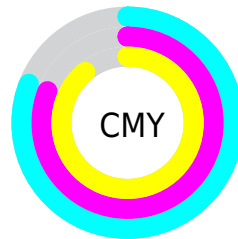


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (81%)



Cyan (81%)

Magenta (81%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.797, 106.976 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, 12.797, 106.976 by changing the saturation by 10% instead.

■ 19, 12.797,
106.976

■ 19, 12.797,
106.976

■ 100, 12.797,
106.976

■ 9, 12.797, 106.976

■ 39, 12.797,
106.976

■ 0, 12.797, 106.976

■ 49, 12.797,
106.976


■ 59, 12.797,
106.976


■ 69, 12.797,
106.976


■ 79, 12.797,
106.976


■ 89, 12.797,

106.976


 99, 12.797,
106.976

 19, 12.797,
106.976


 19, 12.797,
106.976

 19, 15.844,
106.211


 19, 9.673, 107.768

 19, 18.771,
105.478


 19, 6.499, 108.564

 19, 21.405,
104.877

 19, 3.297, 109.357

 19, 23.499,
104.504

 20, 0.079, 109.853

 19, 25.401,
104.227

 20, 3.143, 290.934

 20, 6.363, 291.685

 20, 9.576, 292.415

■ 19, 27.256,
104.003

■ 20, 12.777,
293.120

■ 20, 15.963,
293.797

Harmonies

Complementary

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



19, 12.797, 106.976



11, 13.890, 294.359

Rectangle

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



19, 12.797, 106.976



19, 12.797, 156.976



19, 12.797, 286.976



19, 12.797, 336.976

Sweetspot

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



19, 12.798, 106.979



26, 4.795, 109.167



13, 10.109, 21.048



11, 3.105, 109.184



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, 12.798, 106.979



25, 18.809, 106.182



18, 13.700, 126.924



8, 1.615, 110.162



36, 44.157, 102.844



83, 84.953, 102.843

Inverse Universe

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



11, 13.890, 294.359



14, 20.975, 295.845



12, 14.382, 310.149



7, 1.619, 290.180



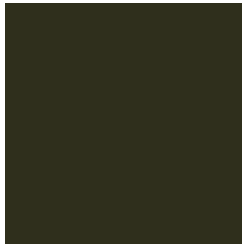
6, 60.342, 305.911



26, 117.312, 306.286

Previews

White Background



This preview shows how the CIE LCh color 19, 12.797, 106.976 looks on a white background.

Color Contrast Check

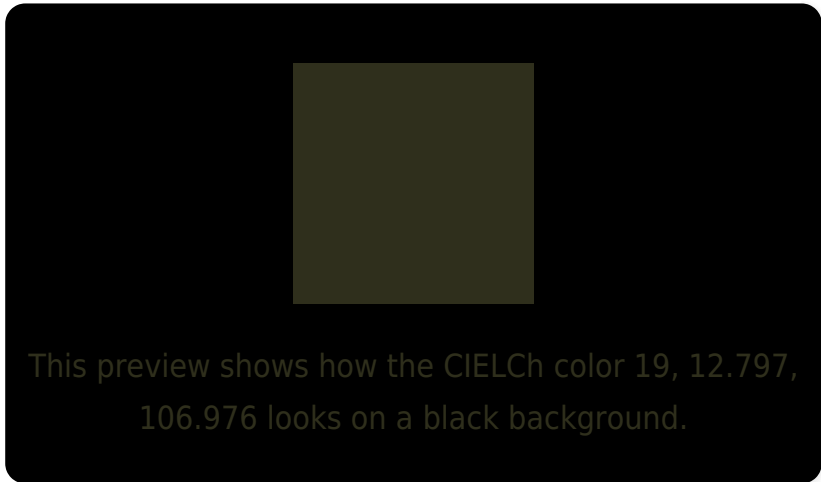
Large Text (above 18pt) WCAG AA ✓ Pass

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

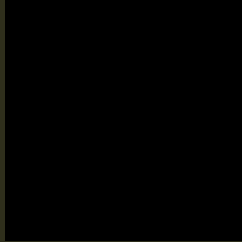
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

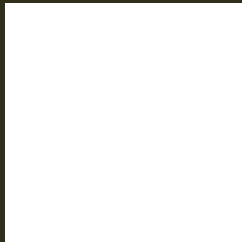
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 12.797, 106.976

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.797, 106.976.

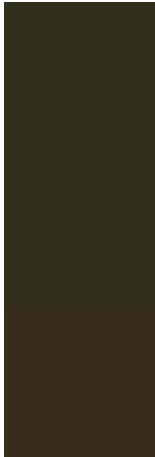


This preview shows how white text looks on a background with the CIELCh color 19, 12.797, 106.976.

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, 12.797, 106.976

Protanopia

19, 12.368, 97.235

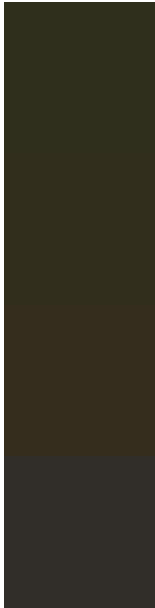
Deuteranopia

19, 12.187, 75.793



Tritanopia
19, 3.138, 339.214

Trichromacy



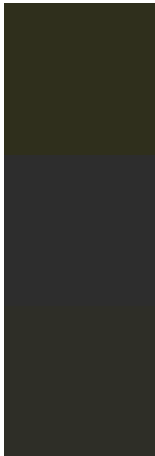
Original Color
19, 12.797, 106.976

Protanomaly
19, 12.283, 99.679

Deuteranomaly
19, 11.727, 86.152

Tritanomaly
19, 3.714, 85.907

Monochromacy



Original Color
19, 12.797, 106.976

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, 12.797, 106.976 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, 47, 28)` looks like.

```
.text, #text, p{  
    color:rgb(47, 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(47, 47, 28) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 19, 12.797, 106.976 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, 47, 28) }
```

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

```
.border{ border-color:rgb(47, 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(47, 47, 28)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 19, 12.797, 106.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 47, 28) }
```

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

```
.background{ background-color: rgb(47, 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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