

Converting Colors

CIELCh(19, 9.962, 107.673)

Have a look what the booklet for
CIELCh(19, 9.962, 107.673) contains.

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Color

CIELCh(19, 10.153, 107.645)

Conversions

Conversions Part 1

Format	Color
Hex	2F2F20
RGB	47, 47, 32
RGB Percent	18%, 18%, 13%
CMY	0.8155, 0.8155, 0.8743
CMYK	0.00, 0.00, 0.32, 0.82
HSL	60°, 19%, 16%
HSV	60°, 32%, 18%
XYZ	2.4542, 2.7468, 1.7706
YIQ	45.2900, 4.8150, -4.6650

Conversions

Conversions Part 2

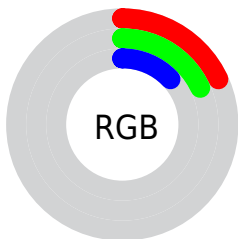
Format	Color
RYB	32, 47, 32
Decimal	3092256
CIELab	19.00, -3.08, 9.68
CIELCh	19, 10.153, 107.645
Yxy	2.7468, 0.3520, 0.3940
Android (android.graphics.Color)	4281282336 (0xFF2F2F20)
YUV	45.2900, -6.5520, 1.4997
Hunter-Lab	16.5735, -2.5712, 5.2675

Details

The CIELCh color **19, 10.153, 107.645** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 10.806, 293.299**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 10.328, 108.542**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 13.258, 106.864**, and if you desaturate by 10%, it is **19, 6.997, 108.444**.

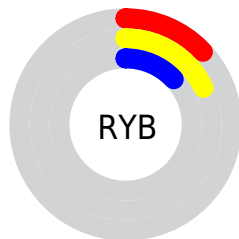
Distribution



Red (18%)

Green (18%)

Blue (13%)



Red (13%)

Yellow (18%)

Blue (13%)

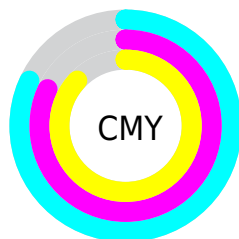


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.153, 107.645 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, 10.153, 107.645 by changing the saturation by 10% instead.

■ 19, 10.153,
107.645

■ 19, 10.153,
107.645

■ 100, 10.153,
107.645

■ 9, 10.153, 107.645

■ 39, 10.153,
107.645

■ 0, 10.153, 107.645

■ 49, 10.153,
107.645

■ 59, 10.153,
107.645


■ 69, 10.153,
107.645


■ 79, 10.153,
107.645


■ 89, 10.153,

107.645


 99, 10.153,
107.645

 19, 10.153,
107.645

 19, 10.153,
107.645


 19, 13.258,
106.864

 19, 6.997, 108.444


 19, 16.278,
106.101

 19, 3.808, 109.237

 19, 0.603, 109.994


 19, 19.172,
105.376


 20, 2.609, 290.817

 19, 21.704,
104.824

 20, 5.819, 291.570

 20, 9.023, 292.303

 19, 23.719,
104.481

 20, 12.215,

■ 19, 25.614,
104.216

293.012

■ 19, 27.152,
104.034

■ 20, 15.394,
293.693

■ 21, 18.555,
294.346

Harmonies

Complementary

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



19, 10.153, 107.645



13, 10.806, 293.299

Rectangle

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



19, 10.153, 107.645



19, 10.153, 157.645



19, 10.153, 287.645



19, 10.153, 337.645

Sweetspot

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



19, 10.154, 107.649



26, 3.997, 109.342



14, 7.803, 21.466



11, 2.662, 109.332



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, 10.154, 107.649



25, 15.024, 107.001



18, 10.888, 127.860



8, 1.615, 110.170



36, 44.162, 102.855



83, 84.962, 102.855

Inverse Universe

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



13, 10.806, 293.299



16, 16.301, 294.345



14, 11.290, 310.324



7, 1.619, 290.188



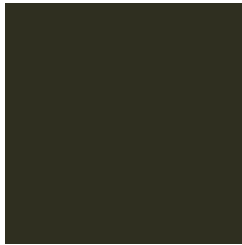
6, 60.349, 305.914



26, 117.318, 306.287

Previews

White Background



This preview shows how the CIE LCh color 19, 10.153, 107.645 looks on a white background.

Color Contrast Check

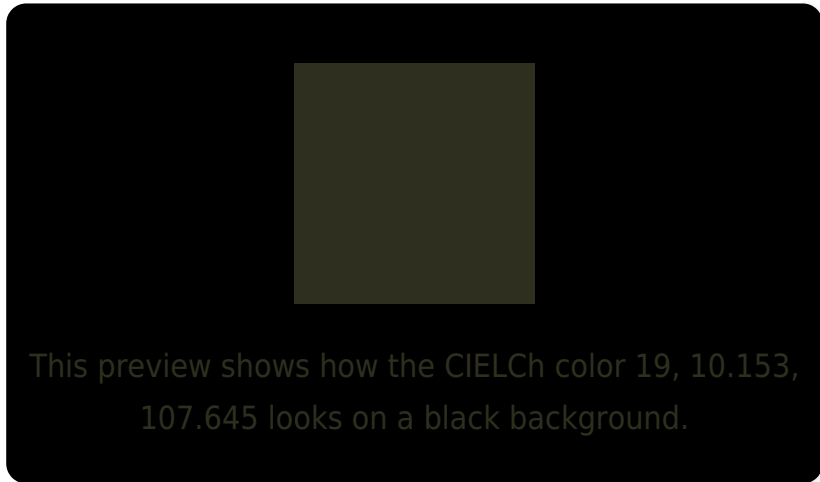
Large Text (above 18pt) WCAG AA ✓ Pass

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

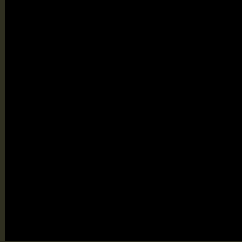
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

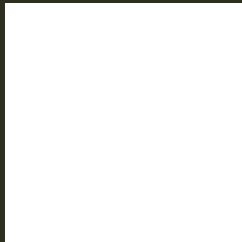
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 10.153, 107.645

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.153, 107.645.

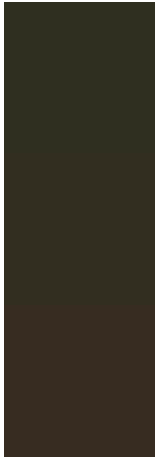


This preview shows how white text looks on a background with the CIELCh color 19, 10.153, 107.645.

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, 10.153, 107.645

Protanopia

19, 9.743, 95.465

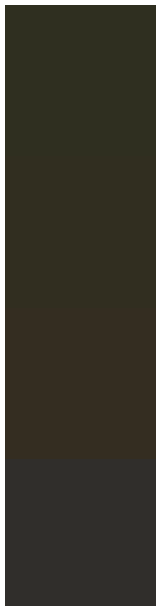
Deuteranopia

19, 9.550, 71.190



Tritanopia
19, 3.335, 324.783

Trichromacy



Original Color
19, 10.153, 107.645

Protanomaly
19, 9.641, 98.497

Deuteranomaly
19, 8.989, 84.213

Tritanomaly
19, 2.259, 84.288

Monochromacy



Original Color
19, 10.153, 107.645

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 4.099, 109.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.153, 107.645 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(47, 47, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 47, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.153, 107.645 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, 32) }
```

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

```
.border{ border-color:rgb(47, 47, 32) }
```

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, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 47, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 47, 32);  
box-shadow:4px 4px 4px 4px rgb(47, 47, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.153, 107.645 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, 32) }
```

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

```
.background{ background-color: rgb(47, 47,  
32) }
```

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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