

Converting Colors

CIELCh(19, 26.101, 107.804)

Have a look what the booklet for
CIELCh(19, 26.101, 107.804)
contains.

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Color

CIELCh(19, 26.257, 107.745)

Conversions

Conversions Part 1

Format	Color
Hex	2E3104
RGB	46, 49, 4
RGB Percent	18%, 19%, 2%
CMY	0.8211, 0.8093, 0.9824
CMYK	0.06, 0.00, 0.91, 0.81
HSL	64°, 83%, 10%
HSV	64°, 91%, 19%
XYZ	2.2169, 2.7468, 0.5419
YIQ	42.9730, 12.6570, -14.6310

Conversions

Conversions Part 2

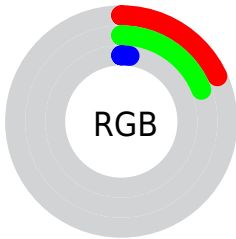
Format	Color
RYB	4, 49, 7
Decimal	3027204
CIELab	19.00, -8.00, 25.01
CIELCh	19, 26.257, 107.745
Yxy	2.7468, 0.4027, 0.4989
Android (android.graphics.Color)	4281217284 (0xFF2E3104)
YUV	42.9730, -19.2137, 2.6547
Hunter-Lab	16.5735, -5.1268, 9.6629

Details

The CIELCh color **19, 26.257, 107.745** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 29.948, 297.939**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 26.690, 108.024**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 28.065, 107.667**, and if you desaturate by 10%, it is **19, 24.297, 107.865**.

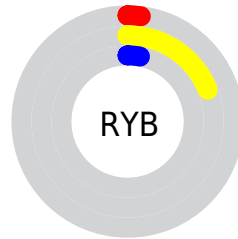
Distribution



 Red (18%)

 Green (19%)

 Blue (2%)




 Red (2%)

 Yellow (19%)

 Blue (3%)

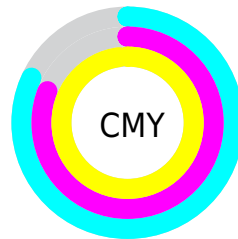



 Cyan (6%)


 Magenta (0%)

 Yellow (91%)

 Black (81%)



 Cyan (82%)


 Magenta (81%)


 Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 26.257, 107.745 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, 26.257, 107.745 by changing the saturation by 10% instead.

 19, 26.257,
107.745

 19, 26.257,
107.745


 100, 26.257,
107.745


 9, 26.257, 107.745


 39, 26.257,
107.745

 0, 26.257, 107.745

 49, 26.257,
107.745

 59, 26.257,
107.745


 69, 26.257,
107.745

 79, 26.257,
107.745

 89, 26.257,

107.745


 99, 26.257,
107.745

 19, 26.257,
107.745


 19, 26.257,
107.745


 19, 28.065,
107.667

 19, 24.297,
107.865

 19, 22.131,
108.091

 19, 19.410,
108.607

 19, 16.420,
109.252

 19, 13.302,
109.938

■ 20, 10.101,
110.646

■ 20, 6.846, 111.363

■ 20, 3.560, 112.078

■ 20, 0.258, 112.733

Harmonies

Complementary

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



19, 26.257, 107.745



3, 29.948, 297.939

Rectangle

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



19, 26.257, 107.745



19, 26.257, 157.745



19, 26.257, 287.745



19, 26.257, 337.745

Sweetspot

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



19, 26.257, 107.747



26, 11.133, 110.809



7, 22.656, 25.116



12, 7.582, 110.776



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, 26.257, 107.747



26, 35.588, 106.734



17, 29.370, 129.812



9, 1.897, 112.263



36, 45.189, 106.731



83, 86.022, 107.063

Inverse Universe

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



3, 29.948, 297.939



4, 44.288, 303.107



5, 31.893, 313.421



8, 1.926, 293.347



7, 61.534, 306.630



27, 118.035, 306.458

Previews

White Background



This preview shows how the CIE LCh color 19, 26.257, 107.745 looks on a white background.

Color Contrast Check

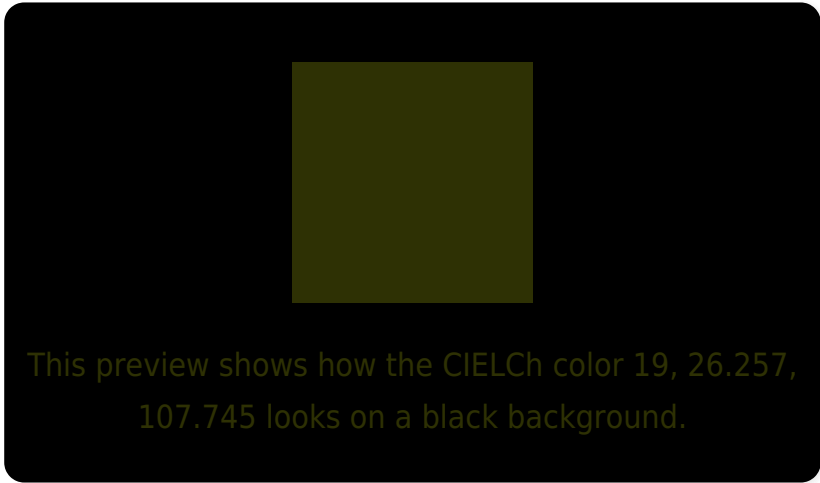
Large Text (above 18pt) WCAG AA ✓ Pass

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

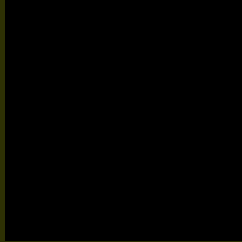
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 26.257, 107.745

Background



This preview shows how black text looks on a background with the CIELCh color 19, 26.257, 107.745.

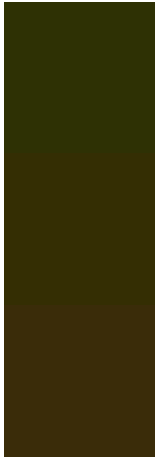


This preview shows how white text looks on a background with the CIELCh color 19, 26.257, 107.745.

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, 26.658, 107.642

Protanopia

19, 25.669, 96.583

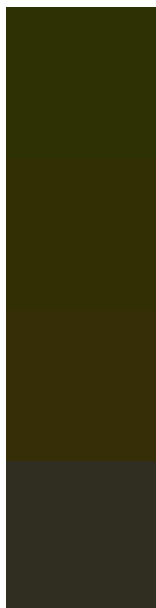
Deuteranopia

19, 23.483, 84.907



Tritanopia
19, 3.335, 324.783

Trichromacy



Original Color
19, 26.658, 107.642

Protanomaly
19, 25.605, 100.410

Deuteranomaly
19, 24.294, 93.694

Tritanomaly
19, 8.901, 101.312

Monochromacy



Original Color
19, 26.658, 107.642

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 10.899, 110.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 26.257, 107.745 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(46, 49, 4)` looks like.

```
.text, #text, p{  
    color:rgb(46, 49, 4)  
}
```

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(46, 49, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 49, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 26.257, 107.745 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(46, 49, 4) }
```

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

```
.border{ border-color:rgb(46, 49, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 49, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 49, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 49, 4); box-shadow:4px  
4px 4px 4px rgb(46, 49, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 26.257, 107.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 49, 4) }
```

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

```
.background{ background-color: rgb(46, 49,  
4) }
```

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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