

Converting Colors

CIELCh(19, 31.337, 123.778)

Have a look what the booklet for
CIELCh(19, 31.337, 123.778)
contains.

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Color

CIELCh(19, 31.547, 124.068)

Conversions

Conversions Part 1

Format	Color
Hex	1F3401
RGB	31, 52, 1
RGB Percent	12%, 20%, 0%
CMY	0.8785, 0.7962, 0.9962
CMYK	0.40, 0.00, 0.98, 0.80
HSL	85°, 96%, 10%
HSV	85°, 98%, 20%
XYZ	1.7966, 2.7468, 0.4632
YIQ	39.9070, 3.8550, -20.3130

Conversions

Conversions Part 2

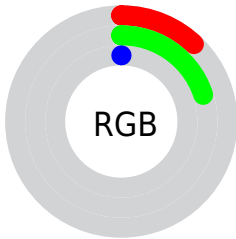
Format	Color
R_{YB}	1, 52, 22
Decimal	2044929
CIE _{Lab}	19.00, -17.67, 26.13
CIE _{LCh}	19, 31.547, 124.068
Yxy	2.7468, 0.3588, 0.5486
Android (android.graphics.Color)	4280235009 (0xFF1F3401)
YUV	39.9070, -19.1812, -7.8114
Hunter-Lab	16.5735, -9.6543, 9.9443

Details

The CIELCh color **19, 31.547, 124.068** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **4, 35.474, 308.377**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 31.665, 124.315**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 31.989, 124.130**, and if you desaturate by 10%, it is **19, 29.183, 123.710**.

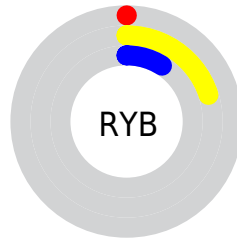
Distribution



Red (12%)

Green (20%)

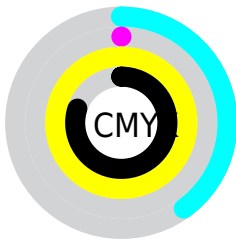
Blue (0%)



Red (0%)

Yellow (20%)

Blue (9%)

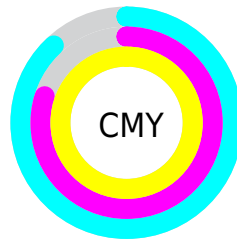


Cyan (40%)

Magenta (0%)

Yellow (98%)

Black (80%)



Cyan (88%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 31.547, 124.068 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, 31.547, 124.068 by changing the saturation by 10% instead.

 19, 31.547,
124.068


 19, 31.547,
124.068


 100, 31.547,
124.068


 9, 31.547, 124.068


 39, 31.547,
124.068

 0, 31.547, 124.068

 49, 31.547,
124.068


 59, 31.547,
124.068


 69, 31.547,
124.068


 79, 31.547,
124.068


 89, 31.547,


124.068


 99, 31.547,
124.068


 19, 31.547,
124.068


 19, 31.547,
124.068


 19, 31.989,
124.130

 19, 29.183,
123.710

 19, 26.813,
123.304

 20, 24.008,
123.235

 20, 20.773,
123.533

 20, 17.363,
123.907

■ 20, 13.838,
124.322

■ 21, 10.244,
124.753

■ 21, 6.612, 125.184

■ 21, 2.964, 125.609

Harmonies

Complementary

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



19, 31.547, 124.068



4, 35.474, 308.377

Rectangle

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



19, 31.547, 124.068



19, 31.547, 174.068



19, 31.547, 304.068



19, 31.547, 354.068

Sweetspot

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



19, 31.547, 124.069



27, 12.941, 124.655



11, 21.447, 50.546



12, 8.683, 124.625



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, 31.547, 124.069



25, 39.320, 123.232



18, 35.968, 136.943



9, 1.979, 125.624



34, 48.791, 123.629



78, 93.860, 124.989

Inverse Universe

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



4, 35.474, 308.377



6, 46.612, 310.735



8, 37.095, 324.880



8, 2.004, 306.236



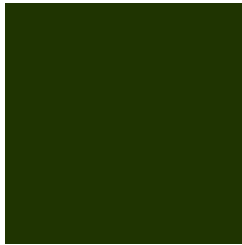
10, 58.599, 310.881



32, 112.599, 309.965

Previews

White Background



This preview shows how the CIELCh color 19, 31.547, 124.068 looks on a white background.

Color Contrast Check

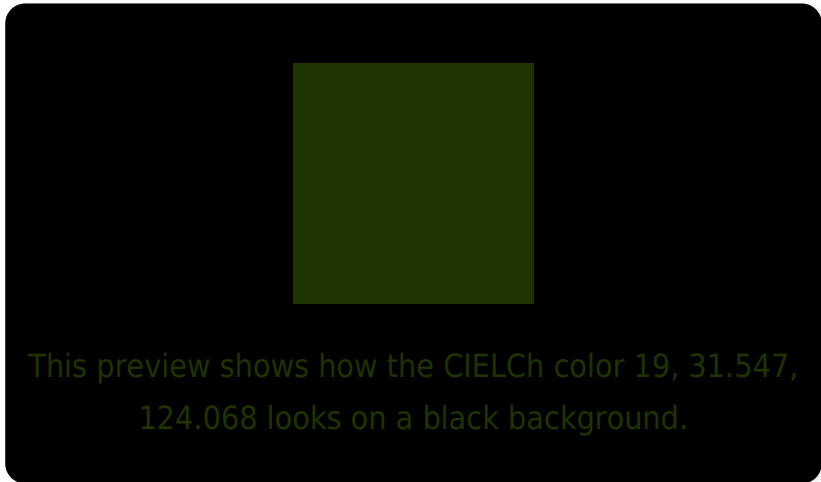
Large Text (above 18pt) WCAG AA ✓ Pass

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

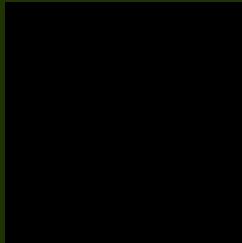
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 31.547, 124.068

Background



This preview shows how black text looks on a background with the CIELCh color 19, 31.547, 124.068.



This preview shows how white text looks on a background with the CIELCh color 19, 31.547, 124.068.

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, 31.547, 124.068

Protanopia

19, 26.875, 96.743

Deuteranopia

19, 23.094, 84.664



Tritanopia
19, 5.400, 229.295

Trichromacy



Original Color
19, 31.547, 124.068

Protanomaly
19, 27.751, 108.600

Deuteranomaly
19, 24.320, 103.066

Tritanomaly
19, 12.876, 139.464

Monochromacy



Original Color
19, 31.547, 124.068

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 12.821, 123.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 31.547, 124.068 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(31, 52, 1)` looks like.

```
.text, #text, p{  
    color:rgb(31, 52, 1)  
}
```

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(31, 52, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 52, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 31.547, 124.068 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(31, 52, 1) }
```

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

```
.border{ border-color:rgb(31, 52, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 52, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 52, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(31, 52, 1); box-shadow:4px  
4px 4px 4px rgb(31, 52, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 31.547, 124.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 52, 1) }
```

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

```
.background{ background-color: rgb(31, 52,  
1) }
```

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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