

Converting Colors

CIELCh(31, 8.000, 319.974)

Have a look what the booklet for
CIELCh(31, 8.000, 319.974) contains.

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Color

CIELCh(31, 8.032, 319.892)

Conversions

Conversions Part 1

Format	Color
Hex	4F4651
RGB	79, 70, 81
RGB Percent	31%, 27%, 32%
CMY	0.6899, 0.7252, 0.6820
CMYK	0.02, 0.14, 0.00, 0.68
HSL	289°, 7%, 30%
HSV	289°, 14%, 32%
XYZ	6.9148, 6.6515, 8.7202
YIQ	73.9450, 1.8330, 5.3290

Conversions

Conversions Part 2

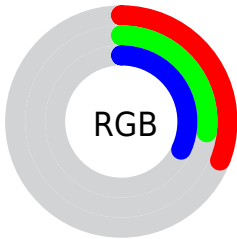
Format	Color
R_{YB}	79, 70, 81
Decimal	5195345
CIE Lab	31.00, 6.14, -5.17
CIE LCh	31, 8.032, 319.892
Yxy	6.6515, 0.3103, 0.2985
Android (android.graphics.Color)	4283385425 (0xFF4F4651)
YUV	73.9450, 3.4781, 4.4332
Hunter-Lab	25.7905, 2.7249, -1.9936

Details

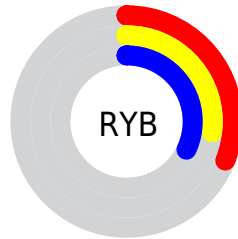
The CIELCh color **31, 8.032, 319.892** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 7.983, 138.775**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 8.075, 320.181**, and **11, 7.653, 322.312** is the 20% darker color. If you saturate the color by 10%, you get **28, 14.035, 320.310**, and if you desaturate by 10%, it is **34, 2.097, 319.444**.

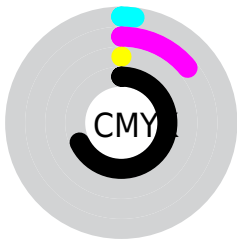
Distribution



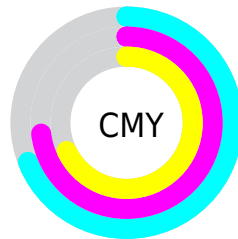
- Red (31%)
- Green (27%)
- Blue (32%)



- Red (31%)
- Yellow (27%)
- Blue (32%)



- Cyan (2%)
- Magenta (14%)
- Yellow (0%)
- Black (68%)



- Cyan (69%)
- Magenta (73%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 8.032, 319.892 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 31, 8.032, 319.892 by changing the saturation by 10% instead.

■ 31, 8.032, 319.892

■ 31, 8.032, 319.892

■ 100, 8.032,
319.892

■ 21, 8.032, 319.892

■ 51, 8.032, 319.892

■ 11, 8.032, 319.892

■ 61, 8.032, 319.892

■ 1, 8.032, 319.892

■ 71, 8.032, 319.892

■ 0, 8.032, 319.892

■ 81, 8.032, 319.892

■ 91, 8.032, 319.892

■ 31, 8.032, 319.892

■ 31, 8.032, 319.892

■ 28, 14.035,
320.310

■ 34, 2.097, 319.444

26, 20.047,
320.717

36, 3.729, 139.131

24, 25.976,
321.102

39, 9.423, 138.733

22, 31.694,
321.444

41, 14.973,
138.370

20, 37.031,
321.718

44, 20.374,
138.032

18, 41.777,
321.897

47, 25.626,
137.718

16, 45.706,
321.947

49, 30.733,
137.428

15, 48.872,
321.886

52, 35.699,
137.161

14, 51.024,
321.888

55, 40.531,
136.916

Harmonies

Complementary

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



31, 8.032, 319.892



33, 7.983, 138.775

Rectangle

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



31, 8.032, 319.892



31, 8.032, 9.892



31, 8.032, 139.892



31, 8.032, 189.892

Sweetspot

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



31, 8.031, 319.891



43, 2.902, 319.474



31, 5.776, 282.887



21, 2.079, 319.500



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 8.031, 319.891



39, 11.709, 320.017



31, 6.790, 335.804



15, 3.313, 319.685



20, 60.915, 321.682



48, 109.418, 321.254

Inverse Universe

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



31, 5.079, 5.763



39, 7.444, 6.063



33, 6.747, 154.098



15, 2.078, 5.291



20, 47.507, 27.579



49, 88.276, 31.623

Previews

White Background



This preview shows how the CIELCh color 31, 8.032, 319.892 looks on a white background.

Color Contrast Check

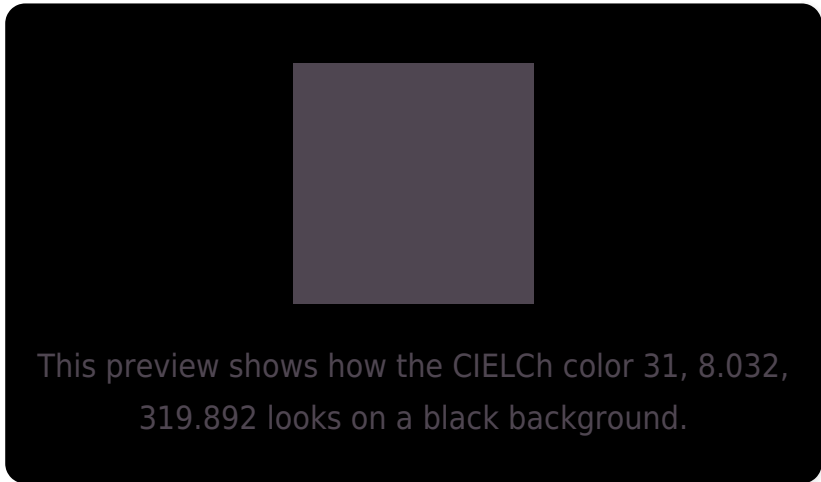
Large Text (above 18pt) WCAG AA ✓ Pass

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

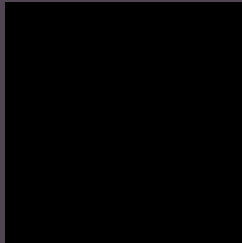
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 8.032, 319.892

Background



This preview shows how black text looks on a background with the CIELCh color 31, 8.032, 319.892.

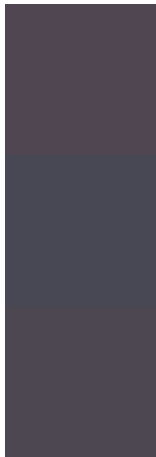


This preview shows how white text looks on a background with the CIELCh color 31, 8.032, 319.892.

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

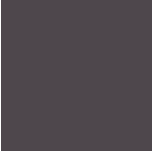
31, 8.032, 319.892

Protanopia

31, 7.021, 288.091

Deuteranopia

31, 6.751, 309.565



Tritanopia
31, 4.432, 334.221

Trichromacy



Original Color

31, 8.032, 319.892

Protanomaly

31, 7.157, 301.546

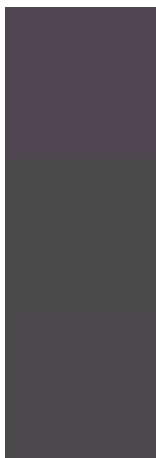
Deuteranomaly

31, 6.898, 312.945

Tritanomaly

31, 5.415, 324.861

Monochromacy



Original Color

31, 8.032, 319.892

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 2.871, 317.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 8.032, 319.892 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(79, 70, 81)` looks like.

```
.text, #text, p{  
    color:rgb(79, 70, 81)  
}
```

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(79, 70, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 70, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 8.032, 319.892 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(79, 70, 81) }
```

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

```
.border{ border-color:rgb(79, 70, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 70, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 70, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 70, 81);  
box-shadow:4px 4px 4px 4px rgb(79, 70, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 8.032, 319.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 70, 81) }
```

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

```
.background{ background-color: rgb(79, 70,  
81) }
```

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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