

Converting Colors

CIELCh(31, 6.496, 318.231)

Have a look what the booklet for
CIELCh(31, 6.496, 318.231) contains.

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Color

CIELCh(31, 6.501, 318.569)

Conversions

Conversions Part 1

Format	Color
Hex	4E4750
RGB	78, 71, 80
RGB Percent	31%, 28%, 31%
CMY	0.6953, 0.7227, 0.6874
CMYK	0.03, 0.11, 0.00, 0.69
HSL	287°, 6%, 29%
HSV	287°, 11%, 31%
XYZ	6.7894, 6.6515, 8.4581
YIQ	74.1190, 1.2830, 4.2830

Conversions

Conversions Part 2

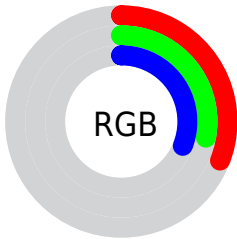
Format	Color
R_{YB}	78, 71, 80
Decimal	5130064
CIE Lab	31.00, 4.87, -4.30
CIE LCh	31, 6.501, 318.569
Yxy	6.6515, 0.3100, 0.3037
Android (android.graphics.Color)	4283320144 (0xFF4E4750)
YUV	74.1190, 2.8993, 3.4036
Hunter-Lab	25.7905, 1.8573, -1.3910




Details

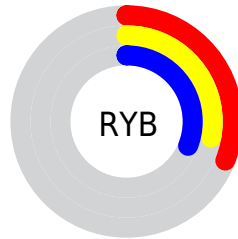
The CIELCh color **31, 6.501, 318.569** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 6.458, 137.691**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **51, 6.667, 319.117**, and **11, 6.546, 318.019** is the 20% darker color. If you saturate the color by 10%, you get **28, 12.350, 318.977**, and if you desaturate by 10%, it is **34, 0.736, 318.049**.

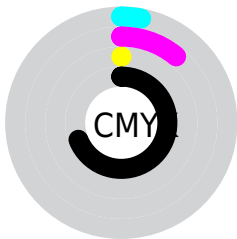
Distribution







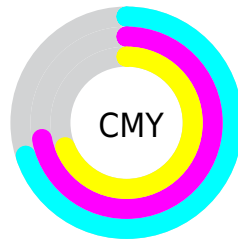
-  Red (31%)
-  Green (28%)
-  Blue (31%)






-  Red (31%)
-  Yellow (28%)
-  Blue (31%)



-  Cyan (3%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (69%)



-  Cyan (70%)
-  Magenta (72%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 6.501, 318.569 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, 6.501, 318.569 by changing the saturation by 10% instead.

■ 31, 6.501, 318.569

■ 31, 6.501, 318.569

■ 100, 6.501,
318.569

■ 21, 6.501, 318.569

■ 51, 6.501, 318.569

■ 11, 6.501, 318.569

■ 61, 6.501, 318.569

■ 1, 6.501, 318.569

■ 71, 6.501, 318.569

■ 0, 6.501, 318.569

■ 81, 6.501, 318.569

■ 91, 6.501, 318.569

■ 31, 6.501, 318.569

■ 31, 6.501, 318.569

■ 28, 12.350,
318.977

■ 34, 0.736, 318.049

26, 18.239,
319.379

36, 4.910, 137.835

24, 24.090,
319.764

39, 10.422,
137.465

21, 29.794,
320.113

41, 15.791,
137.126

19, 35.199,
320.401

44, 21.016,
136.812

17, 40.110,
320.597

47, 26.099,
136.522

16, 44.302,
320.665

49, 31.042,
136.257

14, 47.660,
320.591

52, 35.851,
136.013

13, 50.689,
320.586

54, 40.533,
135.792

Harmonies

Complementary

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



31, 6.501, 318.569



33, 6.458, 137.691

Rectangle

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



31, 6.501, 318.569



31, 6.501, 8.569



31, 6.501, 138.569



31, 6.501, 188.569

Sweetspot

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



31, 6.500, 318.568



43, 2.150, 318.203



31, 4.464, 279.607



22, 1.643, 318.237



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, 6.500, 318.568



40, 10.119, 318.701



31, 5.760, 333.620



15, 3.276, 318.463



19, 61.248, 320.325



46, 110.086, 319.819

Inverse Universe

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



31, 4.199, 2.478



40, 6.568, 2.799



33, 5.735, 152.299



15, 2.109, 2.228



20, 46.439, 24.437



49, 85.921, 28.619

Previews

White Background



This preview shows how the CIELCh color 31, 6.501, 318.569 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



This preview shows how the CIE LCh color 31, 6.501, 318.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

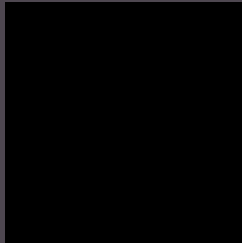
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 6.501, 318.569

Background



This preview shows how black text looks on a background with the CIELCh color 31, 6.501, 318.569.



This preview shows how white text looks on a background with the CIELCh color 31, 6.501, 318.569.

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, 6.501, 318.569

Protanopia

31, 5.741, 291.228

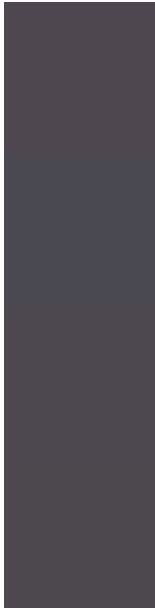
Deuteranopia

31, 6.314, 315.079



Tritanopia
31, 4.648, 324.798

Trichromacy



Original Color

31, 6.501, 318.569

Protanomaly

31, 5.813, 299.540

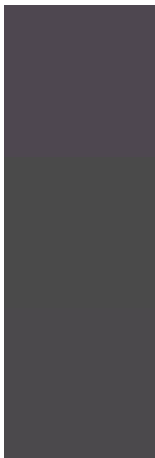
Deuteranomaly

31, 6.314, 315.079

Tritanomaly

31, 5.184, 320.845

Monochromacy



Original Color

31, 6.501, 318.569

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 2.109, 314.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 6.501, 318.569 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(78, 71, 80)` looks like.

```
.text, #text, p{  
    color:rgb(78, 71, 80)  
}
```

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(78, 71, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 71, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 6.501, 318.569 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(78, 71, 80) }
```

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

```
.border{ border-color:rgb(78, 71, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 71, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 71, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 71, 80);  
box-shadow:4px 4px 4px 4px rgb(78, 71, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 6.501, 318.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 71, 80) }
```

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

```
.background{ background-color: rgb(78, 71,  
80) }
```

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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