

Converting Colors

CIELCh(31, 3.252, 190.753)

Have a look what the booklet for
CIELCh(31, 3.252, 190.753) contains.

CIELCh(31, 3.493, 188.429)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 3.493, 188.429)

Conversions

Conversions Part 1

Format	Color
Hex	434B4A
RGB	67, 75, 74
RGB Percent	26%, 29%, 29%
CMY	0.7387, 0.7073, 0.7113
CMYK	0.11, 0.00, 0.01, 0.71
HSL	172°, 6%, 28%
HSV	172°, 11%, 29%
XYZ	6.0041, 6.6515, 7.3805
YIQ	72.4940, -4.4470, -2.0070

Conversions

Conversions Part 2

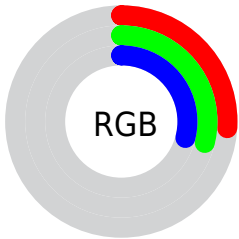
Format	Color
RYB	67, 71, 75
Decimal	4410186
CIELab	31.00, -3.46, -0.51
CIELCh	31, 3.493, 188.429
Yxy	6.6515, 0.2997, 0.3320
Android (android.graphics.Color)	4282600266 (0xFF434B4A)
YUV	72.4940, 0.7425, -4.8182
Hunter-Lab	25.7905, -3.5784, 1.0862

Details

The CIELCh color **31, 3.493, 188.429** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 3.660, 9.889**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 3.600, 189.805**, and **11, 3.480, 186.351** is the 20% darker color. If you saturate the color by 10%, you get **30, 6.634, 187.641**, and if you desaturate by 10%, it is **32, 0.235, 190.184**.

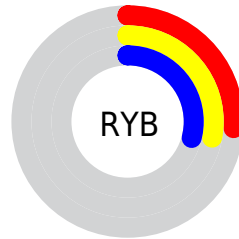
Distribution



 Red (26%)

 Green (29%)

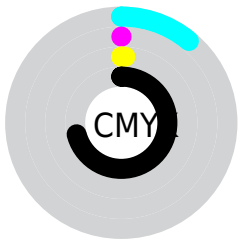
 Blue (29%)



 Red (26%)

 Yellow (28%)

 Blue (29%)

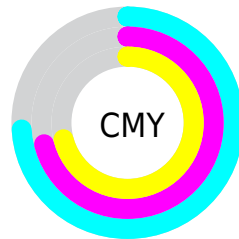


 Cyan (11%)

 Magenta (0%)

 Yellow (1%)

 Black (71%)



 Cyan (74%)

 Magenta (71%)

 Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 3.493, 188.429 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, 3.493, 188.429 by changing the saturation by 10% instead.

■ 31, 3.493, 188.429

■ 31, 3.493, 188.429

■ 100, 3.493,
188.429

■ 21, 3.493, 188.429

■ 51, 3.493, 188.429

■ 11, 3.493, 188.429

■ 61, 3.493, 188.429

■ 1, 3.493, 188.429

■ 71, 3.493, 188.429

■ 0, 3.493, 188.429

■ 81, 3.493, 188.429

■ 91, 3.493, 188.429

■ 31, 3.493, 188.429

■ 31, 3.493, 188.429

■ 30, 6.634, 187.641

■ 32, 0.235, 190.184

■ 30, 9.614, 186.869

■ 32, 3.107, 9.695

■ 29, 12.389,
186.079

■ 33, 6.498, 10.439

■ 29, 14.916,
185.261

■ 34, 9.915, 11.139

■ 29, 17.152,
184.404

■ 35, 13.335, 11.821

■ 28, 19.063,
183.497

■ 36, 16.741, 12.486

■ 28, 20.626,
182.525

■ 37, 20.122, 13.137

■ 28, 21.868,
181.490

■ 38, 23.469, 13.772

■ 28, 22.996,
180.596

Harmonies

Complementary

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



31, 3.493, 188.429



29, 3.660, 9.889

Rectangle

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



31, 3.493, 188.429



31, 3.493, 238.429



31, 3.493, 8.429



31, 3.493, 58.429

Sweetspot

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



31, 3.494, 188.418



41, 1.227, 189.151



31, 5.965, 140.307



20, 0.917, 189.070



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



31, 3.494, 188.418



40, 5.239, 188.198



30, 2.828, 240.876



15, 1.863, 188.583



38, 28.686, 179.976



82, 52.434, 178.940

Inverse Universe

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



29, 3.660, 9.889



37, 5.556, 10.145



30, 2.952, 58.873



14, 1.935, 9.703



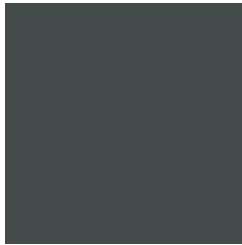
19, 47.937, 30.742



48, 90.855, 35.161

Previews

White Background



This preview shows how the CIELCh color 31, 3.493, 188.429 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, 3.493, 188.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

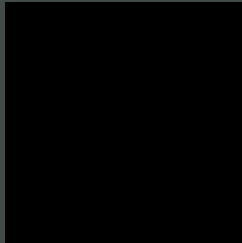
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

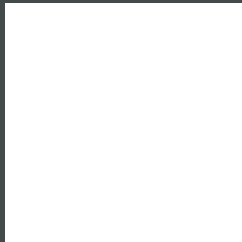
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 3.493, 188.429

Background



This preview shows how black text looks on a background with the CIELCh color 31, 3.493, 188.429.

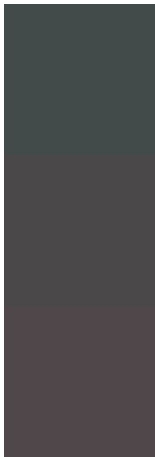


This preview shows how white text looks on a background with the CIELCh color 31, 3.493, 188.429.

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, 3.493, 188.429

Protanopia

31, 0.881, 19.244

Deuteranopia

31, 4.023, 351.765



Tritanopia
31, 4.510, 257.294

Trichromacy



Original Color

31, 3.493, 188.429

Protanomaly

31, 0.869, 199.578

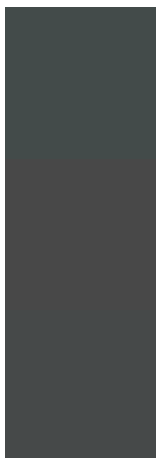
Deuteranomaly

31, 1.842, 335.821

Tritanomaly

31, 3.542, 245.274

Monochromacy



Original Color

31, 3.493, 188.429

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 1.301, 199.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 3.493, 188.429 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(67, 75, 74)` looks like.

```
.text, #text, p{  
    color:rgb(67, 75, 74)  
}
```

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(67, 75, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 75, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 3.493, 188.429 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(67, 75, 74) }
```

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

```
.border{ border-color:rgb(67, 75, 74) }
```

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

Here you see how a box with a 4 pixel rgb(67, 75, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 75, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 75, 74);  
box-shadow:4px 4px 4px 4px rgb(67, 75, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 3.493, 188.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 75, 74) }
```

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

```
.background{ background-color: rgb(67, 75,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor