

Converting Colors

CIELCh(31, 14.793, 99.571)

Have a look what the booklet for
CIELCh(31, 14.793, 99.571) contains.

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Color

CIELCh(31, 14.691, 97.935)

Conversions

Conversions Part 1

Format	Color
Hex	4E4932
RGB	78, 73, 50
RGB Percent	31%, 29%, 20%
CMY	0.6933, 0.7129, 0.8032
CMYK	0.00, 0.06, 0.36, 0.69
HSL	49°, 22%, 25%
HSV	49°, 36%, 31%
XYZ	6.1341, 6.6515, 3.9997
YIQ	71.8730, 10.3630, -6.0930

Conversions

Conversions Part 2

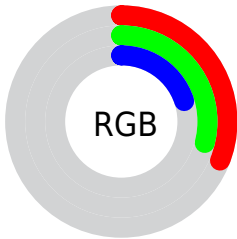
Format	Color
R_{YB}	56, 78, 50
Decimal	5130546
CIE Lab	31.00, -2.03, 14.55
CIE LCh	31, 14.691, 97.935
Yxy	6.6515, 0.3654, 0.3963
Android (android.graphics.Color)	4283320626 (0xFF4E4932)
YUV	71.8730, -10.7834, 5.3734
Hunter-Lab	25.7905, -2.6785, 8.8585

Details

The CIELCh color **31, 14.691, 97.935** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 15.356, 286.259**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 14.793, 96.422**, and **11, 15.027, 98.543** is the 20% darker color. If you saturate the color by 10%, you get **30, 18.757, 96.860**, and if you desaturate by 10%, it is **32, 10.585, 99.004**.

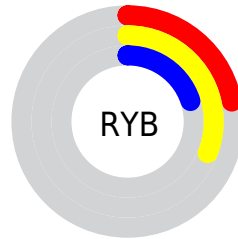
Distribution



 Red (31%)

 Green (29%)

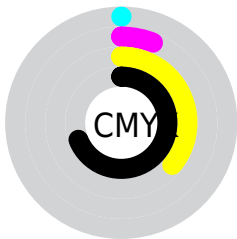
 Blue (20%)



 Red (22%)

 Yellow (31%)

 Blue (20%)

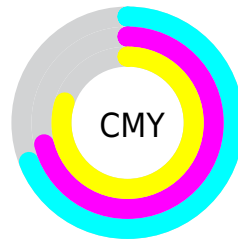


 Cyan (0%)

 Magenta (6%)

 Yellow (36%)

 Black (69%)



 Cyan (69%)

















 Magenta (71%)

 Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 14.691, 97.935 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, 14.691, 97.935 by changing the saturation by 10% instead.

 31, 14.691, 97.935	 31, 14.691, 97.935
 100, 14.691, 97.935	 21, 14.691, 97.935
 51, 14.691, 97.935	 11, 14.691, 97.935
 61, 14.691, 97.935	 1, 14.691, 97.935
 71, 14.691, 97.935	 0, 14.691, 97.935
 81, 14.691, 97.935	
 91, 14.691, 97.935	
 31, 14.691, 97.935	 31, 14.691, 97.935
 30, 18.757, 96.860	 32, 10.585, 99.004

■ 30, 22.726, 95.772

■ 32, 6.472, 100.046

■ 29, 26.510, 94.681

■ 33, 2.371, 101.047

■ 29, 29.970, 93.589

■ 34, 1.705, 282.112

■ 28, 32.907, 92.488

■ 34, 5.750, 283.038

■ 28, 35.573, 91.426

■ 35, 9.760, 283.953

■ 28, 36.729, 91.026

■ 36, 13.735,
284.832

■ 36, 17.674,
285.672

■ 37, 21.576,
286.474

Harmonies

Complementary

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



31, 14.691, 97.935



24, 15.356, 286.259

Rectangle

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



31, 14.691, 97.935



31, 14.691, 147.935



31, 14.691, 277.935



31, 14.691, 327.935

Sweetspot

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



31, 14.692, 97.940



42, 5.597, 100.496



24, 13.680, 8.207



21, 3.715, 100.433



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 14.692, 97.940



40, 21.937, 96.994



32, 17.933, 120.594



15, 2.236, 100.774



36, 44.265, 90.521



78, 79.613, 89.497

Inverse Universe

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



24, 15.356, 286.259



29, 23.272, 287.781



23, 19.122, 304.590



14, 2.261, 282.584



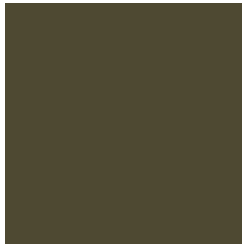
12, 58.184, 301.643



32, 111.725, 303.430

Previews

White Background



This preview shows how the CIELCh color 31, 14.691, 97.935 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 CIELCh color 31, 14.691, 97.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

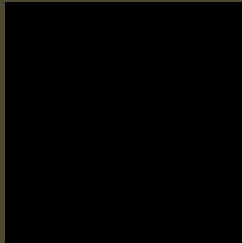
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 14.691, 97.935

Background



This preview shows how black text looks on a background with the CIELCh color 31, 14.691, 97.935.

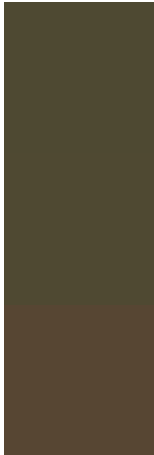


This preview shows how white text looks on a background with the CIELCh color 31, 14.691, 97.935.

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

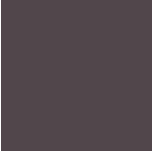
31, 14.691, 97.935

Protanopia

31, 14.785, 96.063

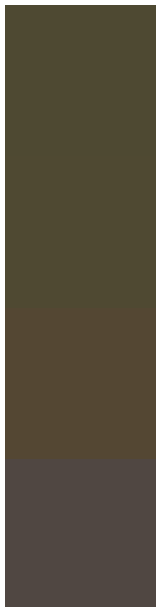
Deuteranopia

31, 14.801, 73.490



Tritanopia
31, 5.809, 347.229

Trichromacy



Original Color
31, 14.691, 97.935

Protanomaly
31, 14.785, 96.063

Deuteranomaly
31, 14.250, 81.236

Tritanomaly
31, 5.215, 57.226

Monochromacy



Original Color
31, 14.691, 97.935

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 5.160, 99.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 14.691, 97.935 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, 73, 50)` looks like.

```
.text, #text, p{  
    color:rgb(78, 73, 50)  
}
```

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, 73, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 73, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 14.691, 97.935 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, 73, 50) }
```

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

```
.border{ border-color:rgb(78, 73, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 73, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 73, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 73, 50);  
box-shadow:4px 4px 4px 4px rgb(78, 73, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 14.691, 97.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 73, 50) }
```

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

```
.background{ background-color: rgb(78, 73,  
50) }
```

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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