

Converting Colors

CIELCh(31, 21.541, 28.422)

Have a look what the booklet for
CIELCh(31, 21.541, 28.422) contains.

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Color

CIELCh(31, 21.455, 28.125)

Conversions

Conversions Part 1

Format	Color
Hex	693D3A
RGB	105, 61, 58
RGB Percent	41%, 24%, 23%
CMY	0.5881, 0.7607, 0.7724
CMYK	0.00, 0.42, 0.45, 0.59
HSL	4°, 29%, 32%
HSV	4°, 45%, 41%
XYZ	8.2641, 6.6515, 4.8550
YIQ	73.8140, 27.1870, 8.3950

Conversions

Conversions Part 2

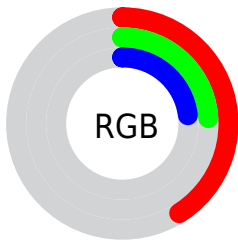
Format	Color
R_{YB}	105, 61, 58
Decimal	6896954
CIE _{Lab}	31.00, 18.92, 10.11
CIE _{LCh}	31, 21.455, 28.125
Yxy	6.6515, 0.4180, 0.3364
Android (android.graphics.Color)	4285087034 (0xFF693D3A)
YUV	73.8140, -7.7963, 27.3501
Hunter-Lab	25.7905, 12.0637, 6.8922




Details

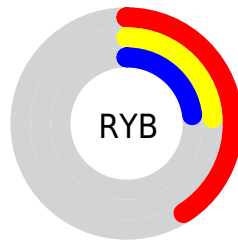
The CIELCh color **31, 21.455, 28.125** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 15.705, 204.322**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **51, 21.484, 28.016**, and **11, 21.293, 27.347** is the 20% darker color. If you saturate the color by 10%, you get **28, 27.122, 29.515**, and if you desaturate by 10%, it is **34, 16.073, 27.067**.

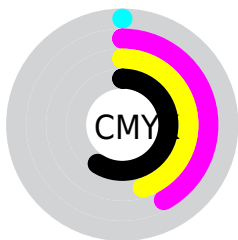
Distribution







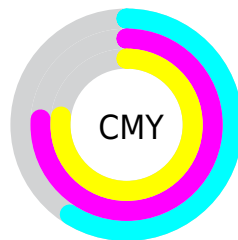
-  Red (41%)
-  Green (24%)
-  Blue (23%)






-  Red (41%)
-  Yellow (24%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (42%)
-  Yellow (45%)
-  Black (59%)



-  Cyan (59%)
-  Magenta (76%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 21.455, 28.125 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, 21.455, 28.125 by changing the saturation by 10% instead.

31, 21.455, 28.125

31, 21.455, 28.125

100, 21.455,
28.125

21, 21.455, 28.125

51, 21.455, 28.125

11, 21.455, 28.125

61, 21.455, 28.125

1, 21.455, 28.125

71, 21.455, 28.125

0, 21.455, 28.125

81, 21.455, 28.125

91, 21.455, 28.125

31, 21.455, 28.125

31, 21.455, 28.125

28, 27.122, 29.515

34, 16.073, 27.067

■ 26, 32.992, 31.287

■ 37, 11.025, 26.259

■ 24, 38.920, 33.472

■ 40, 6.323, 25.640

■ 22, 44.635, 35.924

■ 43, 1.960, 25.077

■ 21, 48.945, 37.240

■ 46, 2.085, 205.099

■ 21, 50.871, 38.021

■ 49, 5.839, 204.760

■ 52, 9.331, 204.575

■ 56, 12.590,
204.455

■ 59, 15.643,
204.381

Harmonies

Complementary

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



31, 21.455, 28.125



40, 15.705, 204.322

Rectangle

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



31, 21.455, 28.125



31, 21.455, 78.125



31, 21.455, 208.125



31, 21.455, 258.125

Sweetspot

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



31, 21.454, 28.129



52, 6.923, 25.565



32, 33.126, 328.139



26, 4.840, 25.658



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



31, 21.454, 28.129



38, 33.492, 29.642



37, 19.058, 75.123



21, 2.394, 25.332



24, 56.055, 39.017



52, 100.571, 40.501

Inverse Universe

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



40, 15.705, 204.322



51, 22.406, 204.417



33, 17.545, 268.116



22, 2.268, 204.909



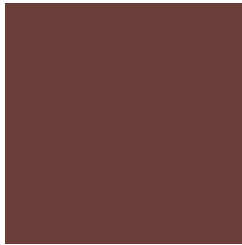
42, 26.076, 206.752



83, 44.695, 207.420

Previews

White Background



This preview shows how the CIELCh color 31, 21.455, 28.125 looks on a white background.

Color Contrast Check

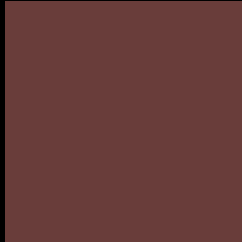
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.455, 28.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

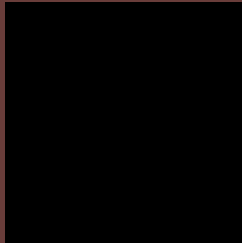
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 21.455, 28.125

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.455, 28.125.

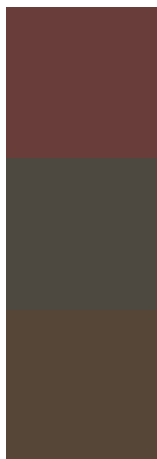


This preview shows how white text looks on a background with the CIELCh color 31, 21.455, 28.125.

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, 21.455, 28.125

Protanopia

31, 5.987, 91.221

Deuteranopia

31, 11.874, 67.936



Tritanopia
31, 21.673, 16.955

Trichromacy



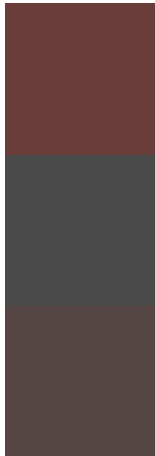
Original Color
31, 21.455, 28.125

Protanomaly
31, 9.652, 47.726

Deuteranomaly
31, 14.281, 47.175

Tritanomaly
31, 21.812, 20.230

Monochromacy



Original Color
31, 21.455, 28.125

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.364, 25.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.455, 28.125 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(105, 61, 58)` looks like.

```
.text, #text, p{  
    color:rgb(105, 61, 58)  
}
```

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(105, 61, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 61, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.455, 28.125 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(105, 61, 58) }
```

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

```
.border{ border-color:rgb(105, 61, 58) }
```

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

Here you see how a box with a 4 pixel rgb(105, 61, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 61, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 61, 58);  
box-shadow:4px 4px 4px 4px rgb(105, 61,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.455, 28.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 61, 58) }
```

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

```
.background{ background-color: rgb(105, 61,  
58) }
```

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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