

Converting Colors

CIELCh(31, 17.557, 122.738)

Have a look what the booklet for
CIELCh(31, 17.557, 122.738)
contains.

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Color

CIELCh(31, 17.521, 122.757)

Conversions

Conversions Part 1

Format	Color
Hex	434D32
RGB	67, 77, 50
RGB Percent	26%, 30%, 20%
CMY	0.7390, 0.6997, 0.8055
CMYK	0.13, 0.00, 0.35, 0.70
HSL	82°, 21%, 25%
HSV	82°, 35%, 30%
XYZ	5.4754, 6.6515, 3.9665
YIQ	70.9320, 2.7070, -10.5170

Conversions

Conversions Part 2

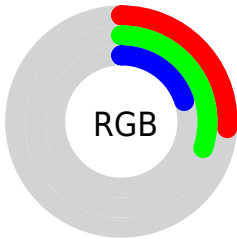
Format	Color
RYB	50, 77, 60
Decimal	4410674
CIELab	31.00, -9.48, 14.73
CIELCh	31, 17.521, 122.757
Yxy	6.6515, 0.3402, 0.4133
Android (android.graphics.Color)	4282600754 (0xFF434D32)
YUV	70.9320, -10.3195, -3.4484
Hunter-Lab	25.7905, -7.2373, 8.9347

Details

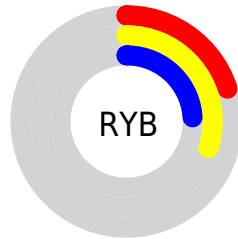
The CIELCh color **31, 17.521, 122.757** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **23, 18.565, 306.335**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 17.365, 123.610**, and **11, 17.814, 123.633** is the 20% darker color. If you saturate the color by 10%, you get **31, 22.342, 122.297**, and if you desaturate by 10%, it is **31, 12.597, 123.241**.

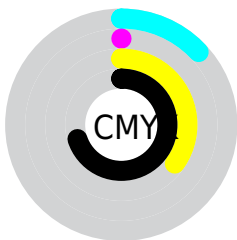
Distribution



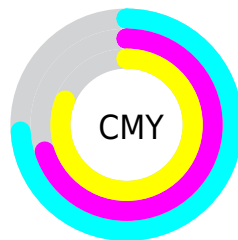
- Red (26%)
- Green (30%)
- Blue (20%)



- Red (20%)
- Yellow (30%)
- Blue (24%)



- Cyan (13%)
- Magenta (0%)
- Yellow (35%)
- Black (70%)





- Cyan (74%)
- Magenta (70%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 17.521, 122.757 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, 17.521, 122.757 by changing the saturation by 10% instead.


 31, 17.521,
122.757


 31, 17.521,
122.757

 100, 17.521,
122.757


 21, 17.521,
122.757

 51, 17.521,
122.757


 11, 17.521,
122.757


 61, 17.521,
122.757

 1, 17.521, 122.757

 71, 17.521,
122.757

 0, 17.521, 122.757

 81, 17.521,
122.757

 91, 17.521,
122.757

■ 31, 17.521,
122.757

■ 31, 17.521,
122.757

■ 31, 22.342,
122.297

■ 31, 12.597,
123.241

■ 30, 26.987,
121.886

■ 32, 7.615, 123.724

■ 32, 2.613, 124.203

■ 30, 31.358,
121.569

■ 33, 2.386, 304.621

■ 30, 35.319,
121.409

■ 33, 7.363, 305.055

■ 29, 38.700,
121.487

■ 34, 12.304,
305.453

■ 29, 41.722,
121.653

■ 34, 17.199,
305.822

■ 29, 43.281,
121.622

■ 35, 22.040,
306.162

■ 36, 26.823,

Harmonies

Complementary

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



31, 17.521, 122.757



23, 18.565, 306.335

Rectangle

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



31, 17.521, 122.757



31, 17.521, 172.757



31, 17.521, 302.757



31, 17.521, 352.757

Sweetspot

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



31, 17.522, 122.759



41, 6.828, 123.907



27, 10.702, 57.024



21, 4.626, 123.876



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, 17.522, 122.759



40, 25.795, 122.372



30, 20.117, 138.917



15, 2.787, 124.038



39, 52.992, 122.229



83, 96.689, 123.332

Inverse Universe

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



23, 18.565, 306.335



28, 27.771, 306.876



24, 20.292, 322.242



14, 2.828, 304.826



12, 64.967, 309.950



33, 118.570, 309.221

Previews

White Background



This preview shows how the CIELCh color 31, 17.521, 122.757 looks on a white background.

Color Contrast Check

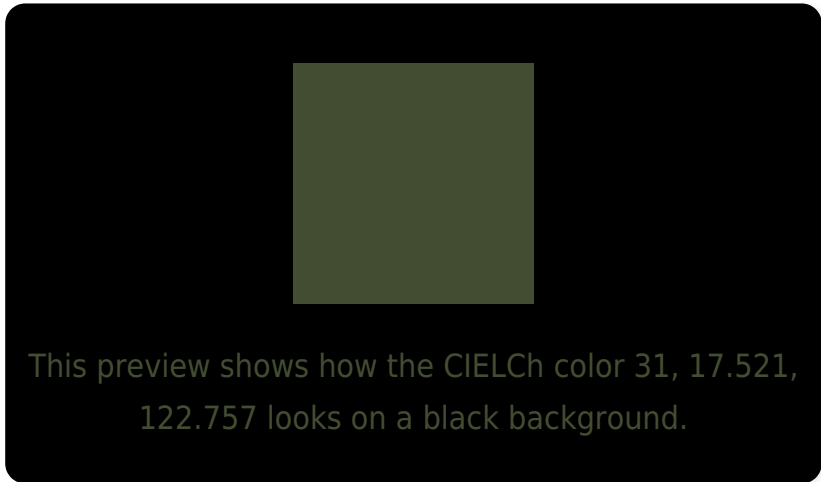
Large Text (above 18pt) WCAG AA ✓ Pass

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

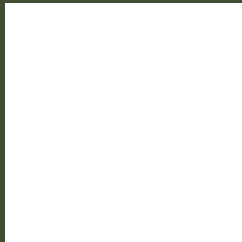
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 17.521, 122.757

Background



This preview shows how black text looks on a background with the CIELCh color 31, 17.521, 122.757.



This preview shows how white text looks on a background with the CIELCh color 31, 17.521, 122.757.

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

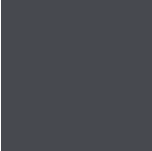
31, 17.521, 122.757

Protanopia

31, 16.001, 96.636

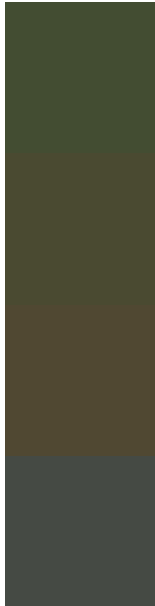
Deuteranopia

31, 14.801, 73.490



Tritanopia
31, 3.898, 278.389

Trichromacy



Original Color

31, 17.521, 122.757

Protanomaly

31, 15.684, 107.254

Deuteranomaly

31, 14.454, 91.870

Tritanomaly

31, 4.430, 139.481

Monochromacy



Original Color

31, 17.521, 122.757

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 5.899, 122.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 17.521, 122.757 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, 77, 50)` looks like.

```
.text, #text, p{  
    color:rgb(67, 77, 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(67, 77, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 77, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 17.521, 122.757 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, 77, 50) }
```

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

```
.border{ border-color:rgb(67, 77, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 77, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 77, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 77, 50);  
box-shadow:4px 4px 4px 4px rgb(67, 77, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 17.521, 122.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 77, 50) }
```

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

```
.background{ background-color: rgb(67, 77,  
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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