

Converting Colors

CIELCh(32, 13.932, 114.800)

Have a look what the booklet for
CIELCh(32, 13.932, 114.800)
contains.

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Color

CIELCh(32, 13.834, 113.556)

Conversions

Conversions Part 1

Format	Color
Hex	4A4D37
RGB	74, 77, 55
RGB Percent	29%, 30%, 22%
CMY	0.7089, 0.6971, 0.7834
CMYK	0.04, 0.00, 0.28, 0.70
HSL	68°, 17%, 26%
HSV	68°, 28%, 30%
XYZ	6.2087, 7.0852, 4.6839
YIQ	73.5950, 5.2740, -7.4780

Conversions

Conversions Part 2

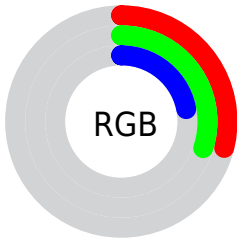
Format	Color
RYB	55, 77, 58
Decimal	4869431
CIELab	32.00, -5.53, 12.68
CIELCh	32, 13.834, 113.556
Yxy	7.0852, 0.3454, 0.3941
Android (android.graphics.Color)	4283059511 (0xFF4A4D37)
YUV	73.5950, -9.1673, 0.3552
Hunter-Lab	26.6180, -4.9461, 8.1995

Details

The CIELCh color **32, 13.834, 113.556** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 14.675, 297.875**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 13.882, 113.662**, and **12, 13.742, 113.987** is the 20% darker color. If you saturate the color by 10%, you get **32, 18.569, 112.874**, and if you desaturate by 10%, it is **32, 9.015, 114.255**.

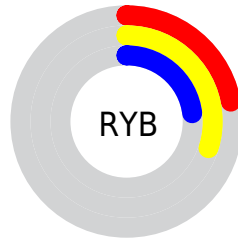
Distribution



Red (29%)

Green (30%)

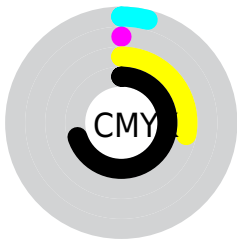
Blue (22%)



Red (22%)

Yellow (30%)

Blue (23%)

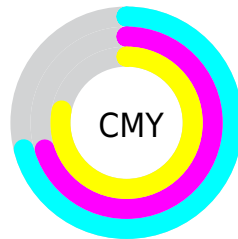


Cyan (4%)

Magenta (0%)

Yellow (28%)

Black (70%)



Cyan (71%)


Magenta (70%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 13.834, 113.556 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 32, 13.834, 113.556 by changing the saturation by 10% instead.


 32, 13.834,
113.556


 32, 13.834,
113.556

 100, 13.834,
113.556


 22, 13.834,
113.556

 52, 13.834,
113.556


 12, 13.834,
113.556


 62, 13.834,
113.556

 2, 13.834, 113.556

 72, 13.834,
113.556

 0, 13.834, 113.556

 82, 13.834,
113.556

 92, 13.834,
113.556

■ 32, 13.834,
113.556

■ 32, 13.834,
113.556

■ 32, 18.569,
112.874

■ 32, 9.015, 114.255

■ 32, 23.163,
112.220

■ 33, 4.148, 114.947

■ 33, 0.740, 295.637

■ 31, 27.535,
111.624

■ 33, 5.632, 296.288

■ 31, 31.571,
111.123

■ 34, 10.513,
296.920

■ 31, 35.114,
110.766

■ 34, 15.373,
297.524

■ 31, 37.991,
110.605

■ 34, 20.205,
298.097

■ 31, 40.796,
110.432

■ 35, 25.002,
298.639

■ 31, 41.251,

■ 35, 29.760,

110.391

299.150

Harmonies

Complementary

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



32, 13.834, 113.556



24, 14.675, 297.875

Rectangle

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



32, 13.834, 113.556



32, 13.834, 163.556



32, 13.834, 293.556



32, 13.834, 343.556

Sweetspot

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



32, 13.835, 113.559



42, 5.416, 114.891



26, 9.388, 32.611



21, 3.794, 114.831



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



32, 13.835, 113.559



41, 20.265, 113.097



31, 15.281, 132.423



15, 2.703, 114.937



41, 50.022, 110.673



86, 90.666, 111.214

Inverse Universe

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



24, 14.675, 297.875



30, 21.845, 298.568



25, 15.661, 314.692



14, 2.753, 296.147



9, 67.393, 307.121



29, 122.678, 306.737

Previews

White Background



This preview shows how the CIELCh color 32, 13.834, 113.556 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 32, 13.834, 113.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

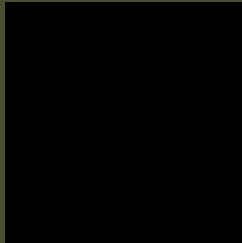
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

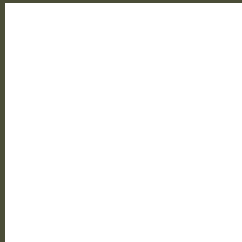
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 13.834, 113.556

Background



This preview shows how black text looks on a background with the CIELCh color 32, 13.834, 113.556.



This preview shows how white text looks on a background with the CIELCh color 32, 13.834, 113.556.

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


32, 13.834, 113.556

Protanopia

32, 13.506, 95.425

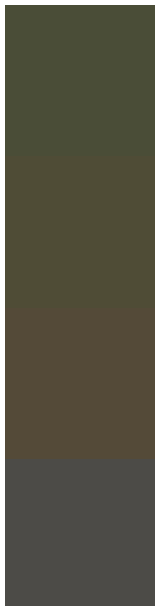
Deuteranopia

32, 13.146, 69.594



Tritanopia
32, 4.035, 309.354

Trichromacy



Original Color
32, 13.834, 113.556

Protanomaly
32, 13.851, 101.714

Deuteranomaly
32, 12.347, 85.215

Tritanomaly
32, 2.560, 99.707

Monochromacy



Original Color
32, 13.834, 113.556

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 5.077, 114.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 13.834, 113.556 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(74, 77, 55)` looks like.

```
.text, #text, p{  
    color:rgb(74, 77, 55)  
}
```

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(74, 77, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 77, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 13.834, 113.556 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(74, 77, 55) }
```

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

```
.border{ border-color:rgb(74, 77, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 77, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 77, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 77, 55);  
box-shadow:4px 4px 4px 4px rgb(74, 77, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 13.834, 113.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 77, 55) }
```

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

```
.background{ background-color: rgb(74, 77,  
55) }
```

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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