

Converting Colors

CIELCh(33, 16.957, 55.985)

Have a look what the booklet for
CIELCh(33, 16.957, 55.985) contains.

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Color

CIELCh(33, 16.829, 56.919)

Conversions

Conversions Part 1	
Format	Color
Hex	634838
RGB	99, 72, 56
RGB Percent	39%, 28%, 22%
CMY	0.6125, 0.7183, 0.7811
CMYK	0.00, 0.27, 0.43, 0.61
HSL	22°, 28%, 30%
HSV	22°, 43%, 39%
XYZ	8.1399, 7.5373, 4.7452
YIQ	78.2490, 21.2280, 0.7480

Conversions

Conversions Part 2

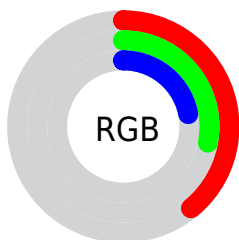
Format	Color
RYB	99, 81, 56
Decimal	6506552
CIELab	33.00, 9.19, 14.10
CIELCh	33, 16.829, 56.919
Yxy	7.5373, 0.3986, 0.3691
Android (android.graphics.Color)	4284696632 (0xFF634838)
YUV	78.2490, -10.9688, 18.1986
Hunter-Lab	27.4541, 4.8791, 8.9702

Details

The CIELCh color **33, 16.829, 56.919** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 13.615, 246.432**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 16.848, 58.009**, and **13, 16.995, 55.809** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.371, 56.227**, and if you desaturate by 10%, it is **35, 12.546, 57.675**.

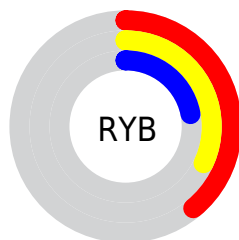
Distribution



Red (39%)

Green (28%)

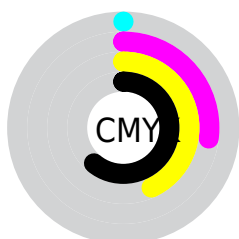
Blue (22%)



Red (39%)

Yellow (32%)

Blue (22%)

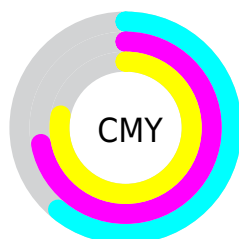


Cyan (0%)

Magenta (27%)

Yellow (43%)

Black (61%)



Cyan (61%)

Magenta (72%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 16.829, 56.919 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 33, 16.829, 56.919 by changing the saturation by 10% instead.

 33, 16.829, 56.919

 33, 16.829, 56.919

 100, 16.829,
56.919

 23, 16.829, 56.919

 53, 16.829, 56.919

 13, 16.829, 56.919

 63, 16.829, 56.919

 3, 16.829, 56.919

 73, 16.829, 56.919

 0, 16.829, 56.919

 83, 16.829, 56.919

 93, 16.829, 56.919

 33, 16.829, 56.919

 33, 16.829, 56.919

 31, 21.371, 56.227

 35, 12.546, 57.675

■ 29, 26.149, 55.578

■ 37, 8.522, 58.467

■ 28, 31.090, 54.944

■ 39, 4.743, 59.280

■ 26, 36.025, 54.234

■ 41, 1.190, 59.967

■ 24, 40.385, 53.018

■ 43, 2.158, 241.203

■ 24, 42.980, 52.244

■ 45, 5.324, 242.003

■ 48, 8.326, 242.854

■ 50, 11.185,
243.703

■ 52, 13.917,
244.537

Harmonies

Complementary

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



33, 16.829, 56.919



34, 13.615, 246.432

Rectangle

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



33, 16.829, 56.919



33, 16.829, 106.919



33, 16.829, 236.919



33, 16.829, 286.919

Sweetspot

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



33, 16.829, 56.925



50, 5.631, 59.290



30, 24.803, 340.477



25, 3.926, 59.160



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



33, 16.829, 56.925



40, 25.618, 56.227



39, 22.518, 99.644



19, 1.911, 59.646



27, 48.139, 52.457



58, 87.214, 50.745

Inverse Universe

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



34, 13.615, 246.432



42, 19.566, 248.643



27, 24.245, 290.120



19, 1.845, 241.434



28, 29.492, 265.799



60, 53.840, 269.239

Previews

White Background



This preview shows how the CIELCh color 33, 16.829, 56.919 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 33, 16.829, 56.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

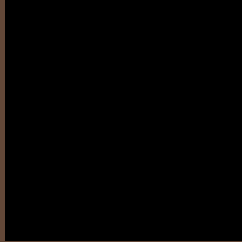
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 16.829, 56.919

Background



This preview shows how black text looks on a background with the CIELCh color 33, 16.829, 56.919.

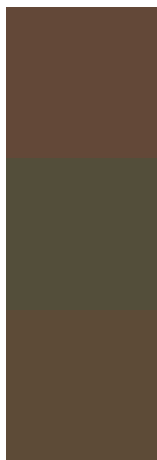


This preview shows how white text looks on a background with the CIELCh color 33, 16.829, 56.919.

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

33, 16.829, 56.919

Protanopia

33, 12.713, 97.203

Deuteranopia

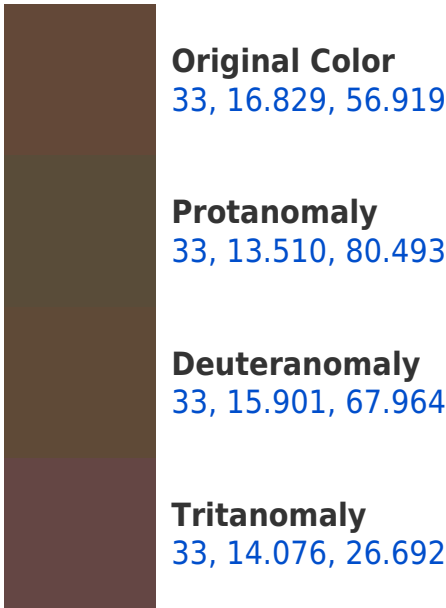
33, 15.428, 73.362



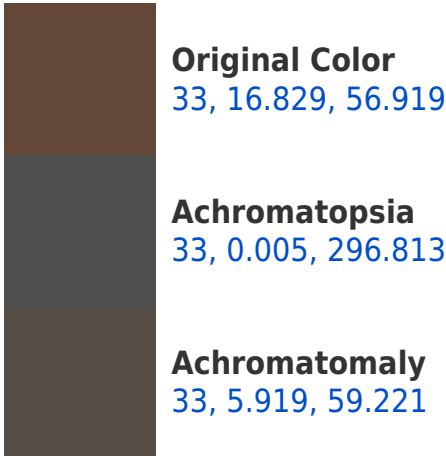
Tritanopia

33, 14.874, 7.487

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 16.829, 56.919 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(99, 72, 56)` looks like.

```
.text, #text, p{  
    color:rgb(99, 72, 56)  
}
```

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(99, 72, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 72, 56) }
```

Border

The CSS property to change the border of an element to CIElCh 33, 16.829, 56.919 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(99, 72, 56) }
```

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

```
.border{ border-color:rgb(99, 72, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 72, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 72, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 72, 56);  
box-shadow:4px 4px 4px 4px rgb(99, 72, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 16.829, 56.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 72, 56) }
```

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

```
.background{ background-color: rgb(99, 72,  
56) }
```

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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