

Converting Colors

CIELCh(28, 33.628, 84.872)

Have a look what the booklet for
CIELCh(28, 33.628, 84.872) contains.

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Color

CIELCh(28, 33.645, 84.889)

Conversions

Conversions Part 1

Format	Color
Hex	533F09
RGB	83, 63, 9
RGB Percent	33%, 25%, 4%
CMY	0.6733, 0.7519, 0.9635
CMYK	0.00, 0.24, 0.89, 0.67
HSL	44°, 80%, 18%
HSV	44°, 89%, 33%
XYZ	5.4369, 5.4574, 1.0338
YIQ	62.8240, 29.2540, -12.5540

Conversions

Conversions Part 2

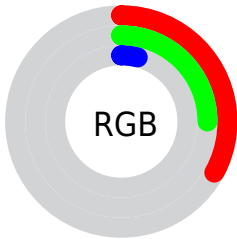
Format	Color
RYB	36, 83, 9
Decimal	5455625
CIELab	28.00, 3.00, 33.51
CIELCh	28, 33.645, 84.889
Yxy	5.4574, 0.4558, 0.4575
Android (android.graphics.Color)	4283645705 (0xFF533F09)
YUV	62.8240, -26.5352, 17.6944
Hunter-Lab	23.3610, 0.6612, 13.7288

Details

The CIELCh color **28, 33.645, 84.889** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 38.326, 293.919**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 33.556, 84.943**, and **8, 12.511, 72.454** is the 20% darker color. If you saturate the color by 10%, you get **27, 36.498, 83.559**, and if you desaturate by 10%, it is **29, 30.705, 86.327**.

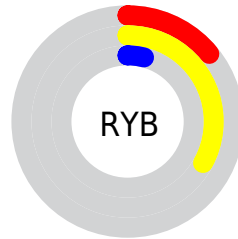
Distribution



Red (33%)

Green (25%)

Blue (4%)



Red (14%)

Yellow (33%)

Blue (4%)

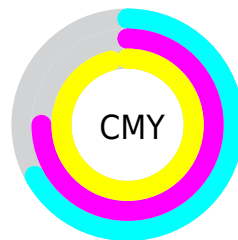


Cyan (0%)

Magenta (24%)

Yellow (89%)

Black (67%)



Cyan (67%)

Magenta (75%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 33.645, 84.889 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 28, 33.645, 84.889 by changing the saturation by 10% instead.

■ 28, 33.645, 84.889

■ 28, 33.645, 84.889

■ 100, 33.645,
84.889

■ 18, 33.645, 84.889

■ 48, 33.645, 84.889

■ 8, 33.645, 84.889

■ 58, 33.645, 84.889

■ 0, 33.645, 84.889

■ 68, 33.645, 84.889

■ 78, 33.645, 84.889

■ 88, 33.645, 84.889

■ 98, 33.645, 84.889

■ 28, 33.645, 84.889

■ 28, 33.645, 84.889

■ 27, 36.498, 83.559

■ 29, 30.705, 86.327

■ 27, 36.833, 83.418

■ 29, 27.218, 87.662

■ 30, 23.414, 88.939

■ 31, 19.454, 90.179

■ 32, 15.432, 91.389

■ 33, 11.405, 92.570

■ 34, 7.405, 93.719

■ 35, 3.449, 94.823

■ 36, 0.457, 276.170

Harmonies

Complementary

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



28, 33.645, 84.889



13, 38.326, 293.919

Rectangle

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



28, 33.645, 84.889



28, 33.645, 134.889



28, 33.645, 264.889



28, 33.645, 314.889

Sweetspot

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



28, 33.645, 84.892



42, 13.137, 92.680



16, 34.877, 13.533



20, 8.757, 92.478



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



28, 33.645, 84.892



35, 44.176, 82.725



33, 40.865, 114.650



16, 2.144, 94.838



34, 43.440, 82.791



73, 77.530, 81.145

Inverse Universe

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



13, 38.326, 293.919



15, 53.867, 298.043



9, 51.420, 306.678



15, 2.157, 276.830



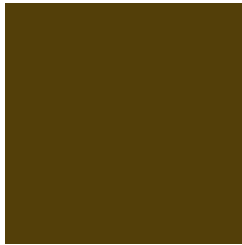
15, 52.803, 297.943



37, 101.362, 300.187

Previews

White Background



This preview shows how the CIELCh color 28, 33.645, 84.889 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 28, 33.645, 84.889 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 28, 33.645, 84.889

Background



This preview shows how black text looks on a background with the CIELCh color 28, 33.645, 84.889.



This preview shows how white text looks on a background with the CIELCh color 28, 33.645, 84.889.

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

28, 33.645, 84.889

Protanopia

28, 33.257, 96.258

Deuteranopia

28, 33.473, 83.906



Tritanopia
28, 12.801, 10.359

Trichromacy



Original Color
28, 33.645, 84.889

Protanomaly
28, 33.228, 92.493

Deuteranomaly
28, 33.473, 83.906

Tritanomaly
28, 17.150, 62.441

Monochromacy



Original Color
28, 33.645, 84.889

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 13.394, 92.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 33.645, 84.889 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(83, 63, 9)` looks like.

```
.text, #text, p{  
    color:rgb(83, 63, 9)  
}
```

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(83, 63, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 63, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 33.645, 84.889 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(83, 63, 9) }
```

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

```
.border{ border-color:rgb(83, 63, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 63, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 63, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 63, 9); box-shadow:4px  
4px 4px 4px rgb(83, 63, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 33.645, 84.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 63, 9) }
```

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

```
.background{ background-color: rgb(83, 63,  
9) }
```

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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