

Converting Colors

CIELCh(28, 33.540, 105.750)

Have a look what the booklet for
CIELCh(28, 33.540, 105.750)
contains.

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Color

CIELCh(28, 33.449, 105.464)

Conversions

Conversions Part 1

Format	Color
Hex	43450B
RGB	67, 69, 11
RGB Percent	26%, 27%, 4%
CMY	0.7377, 0.7298, 0.9573
CMYK	0.03, 0.00, 0.84, 0.73
HSL	62°, 73%, 16%
HSV	62°, 84%, 27%
XYZ	4.4892, 5.4574, 1.1299
YIQ	61.7900, 17.4260, -18.4620

Conversions

Conversions Part 2

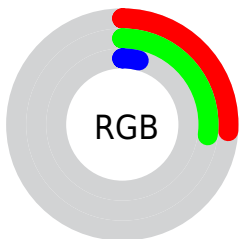
Format	Color
R_{YB}	11, 69, 13
Decimal	4408587
CIE Lab	28.00, -8.92, 32.24
CIE LCh	28, 33.449, 105.464
Yxy	5.4574, 0.4053, 0.4927
Android (android.graphics.Color)	4282598667 (0xFF43450B)
YUV	61.7900, -25.0395, 4.5692
Hunter-Lab	23.3610, -6.5803, 13.4850

Details

The CIELCh color **28, 33.449, 105.464** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 42.318, 302.987**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 33.509, 105.617**, and **8, 14.203, 124.388** is the 20% darker color. If you saturate the color by 10%, you get **28, 36.105, 105.052**, and if you desaturate by 10%, it is **28, 30.517, 105.945**.

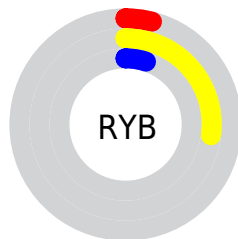
Distribution



 Red (26%)

 Green (27%)

 Blue (4%)



 Red (4%)

 Yellow (27%)

 Blue (5%)

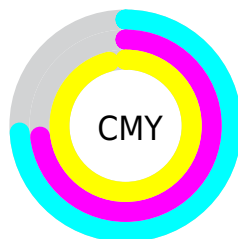



 Cyan (3%)

 Magenta (0%)

 Yellow (84%)

 Black (73%)



 Cyan (74%)

 Magenta (73%)

 Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 33.449, 105.464 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, 33.449, 105.464 by changing the saturation by 10% instead.

 28, 33.449,
105.464


 28, 33.449,
105.464

 100, 33.449,
105.464

 18, 33.449,
105.464


 48, 33.449,
105.464

 8, 33.449, 105.464

 58, 33.449,
105.464

 0, 33.449, 105.464

 68, 33.449,
105.464

 78, 33.449,
105.464

 88, 33.449,
105.464

 98, 33.449,

105.464

■ 28, 33.449,
105.464

■ 28, 33.449,
105.464

■ 28, 36.105,
105.052

■ 28, 30.517,
105.945

■ 28, 37.713,
104.814

■ 28, 27.066,
106.546

■ 28, 23.250,
107.238

■ 28, 19.188,
107.990

■ 29, 14.967,
108.778

■ 29, 10.646,
109.586

■ 29, 6.265, 110.397

■ 29, 1.853, 111.194

■ 29, 2.573, 292.008

Harmonies

Complementary

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



28, 33.449, 105.464



7, 42.318, 302.987

Rectangle

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



28, 33.449, 105.464



28, 33.449, 155.464



28, 33.449, 285.464



28, 33.449, 335.464

Sweetspot

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



28, 33.449, 105.466



37, 13.625, 109.439



13, 30.716, 30.667



18, 9.368, 109.306



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 33.449, 105.466



36, 45.094, 104.844



26, 37.013, 127.475



14, 2.534, 110.844



40, 48.624, 104.872



87, 88.830, 105.022

Inverse Universe

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



7, 42.318, 302.987



7, 61.681, 306.358



10, 40.938, 313.431



12, 2.582, 292.277



8, 66.849, 306.498



28, 122.373, 306.366

Previews

White Background



This preview shows how the CIELCh color 28, 33.449, 105.464 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 28, 33.449, 105.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

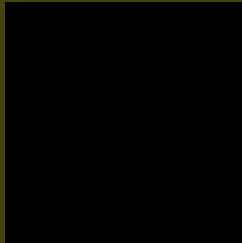
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 33.449, 105.464

Background



This preview shows how black text looks on a background with the CIELCh color 28, 33.449, 105.464.



This preview shows how white text looks on a background with the CIELCh color 28, 33.449, 105.464.

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, 33.449, 105.464

Protanopia

28, 32.911, 95.239

Deuteranopia

28, 31.225, 84.002



Tritanopia
28, 4.825, 338.181

Trichromacy



Original Color
28, 33.449, 105.464

Protanomaly
28, 33.062, 99.016

Deuteranomaly
28, 31.177, 92.113

Tritanomaly
28, 11.718, 98.274

Monochromacy



Original Color
28, 33.449, 105.464

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 14.120, 109.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 33.449, 105.464 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, 69, 11)` looks like.

```
.text, #text, p{  
    color:rgb(67, 69, 11)  
}
```

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, 69, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 69, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 33.449, 105.464 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, 69, 11) }
```

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

```
.border{ border-color:rgb(67, 69, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 69, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 69, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 69, 11);  
box-shadow:4px 4px 4px 4px rgb(67, 69, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 33.449, 105.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 69, 11) }
```

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

```
.background{ background-color: rgb(67, 69,  
11) }
```

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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