

Converting Colors

CIELCh(28, 31.306, 107.948)

Have a look what the booklet for
CIELCh(28, 31.306, 107.948)
contains.

CIELCh(28, 30.982, 107.991)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(28, 30.982, 107.991)

Conversions

Conversions Part 1

Format	Color
Hex	414511
RGB	65, 69, 17
RGB Percent	25%, 27%, 7%
CMY	0.7442, 0.7285, 0.9324
CMYK	0.06, 0.00, 0.75, 0.73
HSL	65°, 60%, 17%
HSV	65°, 75%, 27%
XYZ	4.4409, 5.4574, 1.3592
YIQ	61.8760, 14.3080, -17.0200

Conversions

Conversions Part 2

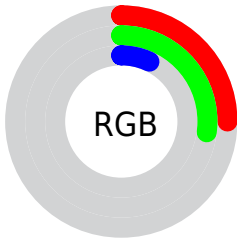
Format	Color
R_YB	17, 69, 21
Decimal	4277521
CIE Lab	28.00, -9.57, 29.47
CIE LCh	28, 30.982, 107.991
Yxy	5.4574, 0.3945, 0.4848
Android (android.graphics.Color)	4282467601 (0xFF414511)
YUV	61.8760, -22.1239, 2.7397
Hunter-Lab	23.3610, -6.9495, 12.9031

Details

The CIELCh color **28, 30.982, 107.991** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 37.925, 302.387**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 30.869, 107.689**, and **8, 14.319, 126.024** is the 20% darker color. If you saturate the color by 10%, you get **28, 33.881, 107.619**, and if you desaturate by 10%, it is **28, 27.550, 108.512**.

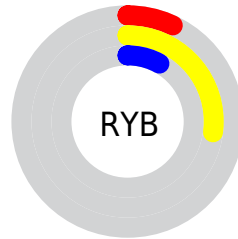
Distribution



Red (25%)

Green (27%)

Blue (7%)



Red (7%)

Yellow (27%)

Blue (8%)

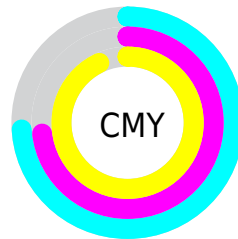


Cyan (6%)

Magenta (0%)

Yellow (75%)

Black (73%)



Cyan (74%)


Magenta (73%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 30.982, 107.991 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, 30.982, 107.991 by changing the saturation by 10% instead.

 28, 30.982,
107.991


 28, 30.982,
107.991

 100, 30.982,
107.991


 18, 30.982,
107.991


 48, 30.982,
107.991


 8, 30.982, 107.991

 58, 30.982,
107.991

 0, 30.982, 107.991

 68, 30.982,
107.991

 78, 30.982,
107.991

 88, 30.982,
107.991

 98, 30.982,

107.991

■ 28, 30.982,
107.991

■ 28, 30.982,
107.991

■ 28, 33.881,
107.619

■ 28, 27.550,
108.512

■ 28, 36.570,
107.292

■ 28, 23.739,
109.134

■ 28, 37.934,
107.131

■ 28, 19.673,
109.824

■ 29, 15.440,
110.556

■ 29, 11.102,
111.308

■ 29, 6.702, 112.065

■ 29, 2.267, 112.812

■ 30, 2.183, 293.563

■ 30, 6.632, 294.273

Harmonies

Complementary

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



28, 30.982, 107.991



9, 37.925, 302.387

Rectangle

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



28, 30.982, 107.991



28, 30.982, 157.991



28, 30.982, 287.991



28, 30.982, 337.991

Sweetspot

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



28, 30.982, 107.993



37, 12.565, 111.399



15, 27.284, 32.228



18, 8.765, 111.256



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, 30.982, 107.993



36, 42.530, 107.445



26, 34.358, 128.559



14, 2.538, 112.551



40, 48.769, 107.301



86, 89.134, 107.627

Inverse Universe

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



9, 37.925, 302.387



9, 55.712, 305.073



12, 37.253, 314.240



12, 2.586, 293.878



9, 66.577, 306.755



29, 122.149, 306.479

Previews

White Background



This preview shows how the CIELCh color 28, 30.982, 107.991 looks on a white background.

Color Contrast Check

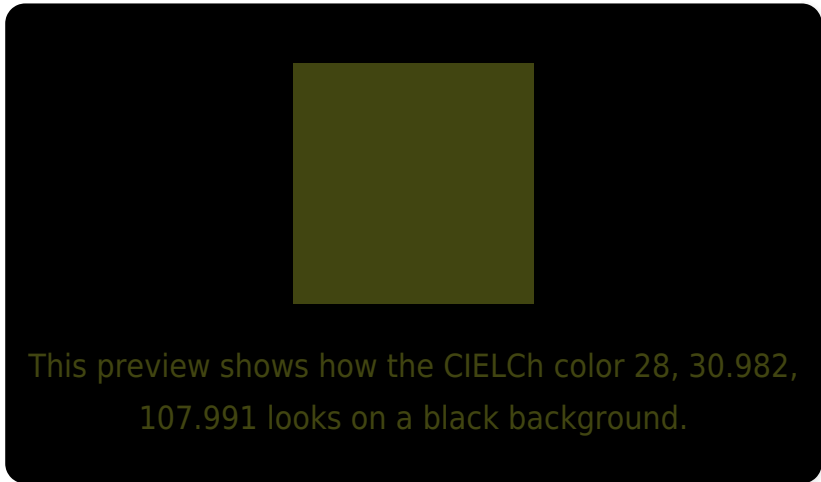
Large Text (above 18pt) WCAG AA ✓ Pass

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

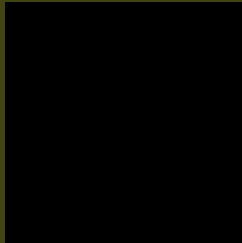
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

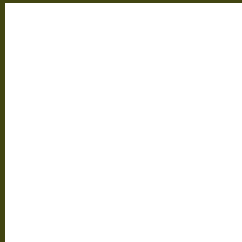
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 30.982, 107.991

Background



This preview shows how black text looks on a background with the CIELCh color 28, 30.982, 107.991.



This preview shows how white text looks on a background with the CIELCh color 28, 30.982, 107.991.

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, 30.982, 107.991

Protanopia

28, 30.312, 96.083

Deuteranopia

28, 28.896, 82.946



Tritanopia
28, 3.935, 324.758

Trichromacy



Original Color
28, 30.982, 107.991

Protanomaly
28, 30.518, 100.143

Deuteranomaly
28, 28.864, 91.694

Tritanomaly
28, 10.269, 105.467

Monochromacy



Original Color
28, 30.982, 107.991

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 12.262, 112.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 30.982, 107.991 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(65, 69, 17)` looks like.

```
.text, #text, p{  
    color:rgb(65, 69, 17)  
}
```

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(65, 69, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 69, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 30.982, 107.991 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(65, 69, 17) }
```

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

```
.border{ border-color:rgb(65, 69, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 69, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 69, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 69, 17);  
box-shadow:4px 4px 4px 4px rgb(65, 69, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 30.982, 107.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 69, 17) }
```

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

```
.background{ background-color: rgb(65, 69,  
17) }
```

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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