

Converting Colors

CIELCh(28, 22.000, 104.970)

Have a look what the booklet for
CIELCh(28, 22.000, 104.970)
contains.

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Color

CIELCh(28, 21.915, 105.840)

Conversions

Conversions Part 1

Format	Color
Hex	444421
RGB	68, 68, 33
RGB Percent	27%, 27%, 13%
CMY	0.7337, 0.7337, 0.8709
CMYK	0.00, 0.00, 0.52, 0.73
HSL	60°, 35%, 20%
HSV	60°, 52%, 27%
XYZ	4.7116, 5.4574, 2.2373
YIQ	64.0100, 11.2350, -10.8850

Conversions

Conversions Part 2

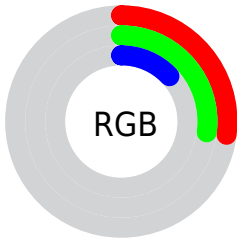
Format	Color
R_{YB}	33, 68, 33
Decimal	4473889
CIE _{Lab}	28.00, -5.98, 21.08
CIE _{LCh}	28, 21.915, 105.840
Yxy	5.4574, 0.3798, 0.4399
Android (android.graphics.Color)	4282663969 (0xFF444421)
YUV	64.0100, -15.2879, 3.4992
Hunter-Lab	23.3610, -4.8809, 10.6746

Details

The CIELCh color **28, 21.915, 105.840** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 24.773, 296.595**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 22.040, 106.003**, and **8, 12.932, 112.553** is the 20% darker color. If you saturate the color by 10%, you get **28, 25.763, 105.083**, and if you desaturate by 10%, it is **28, 17.853, 106.652**.

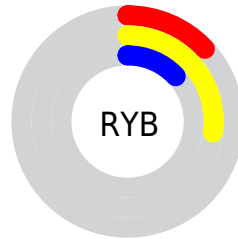
Distribution



Red (27%)

Green (27%)

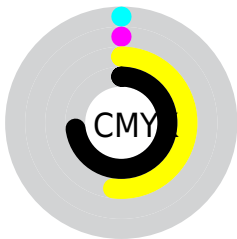
Blue (13%)



Red (13%)

Yellow (27%)

Blue (13%)

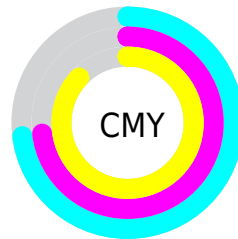


Cyan (0%)

Magenta (0%)

Yellow (52%)

Black (73%)



Cyan (73%)


Magenta (73%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 21.915, 105.840 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, 21.915, 105.840 by changing the saturation by 10% instead.

 28, 21.915,
105.840


 28, 21.915,
105.840

 100, 21.915,
105.840


 18, 21.915,
105.840


 48, 21.915,
105.840


 8, 21.915, 105.840

 58, 21.915,
105.840

 0, 21.915, 105.840

 68, 21.915,
105.840

 78, 21.915,
105.840

 88, 21.915,
105.840

 98, 21.915,

105.840

■ 28, 21.915,
105.840

■ 28, 21.915,
105.840

■ 28, 25.763,
105.083

■ 28, 17.853,
106.652

■ 28, 29.286,
104.397

■ 28, 13.651,
107.492

■ 28, 32.342,
103.811

■ 28, 9.365, 108.346

■ 28, 34.974,
103.316

■ 29, 5.028, 109.200

■ 29, 0.666, 110.011

■ 28, 37.290,
102.912

■ 29, 3.705, 290.897

■ 29, 8.073, 291.704

■ 30, 12.430,
292.487

■ 30, 16.770,
293.241

Harmonies

Complementary

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



28, 21.915, 105.840



15, 24.773, 296.595

Rectangle

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



28, 21.915, 105.840



28, 21.915, 155.840



28, 21.915, 285.840



28, 21.915, 335.840

Sweetspot

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



28, 21.916, 105.843



38, 8.199, 108.851



18, 18.361, 24.262



19, 5.640, 108.766



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, 21.916, 105.843



37, 32.373, 104.860



27, 23.661, 126.945



13, 2.377, 109.459



40, 47.705, 102.861



87, 87.987, 102.862

Inverse Universe

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



15, 24.773, 296.595



17, 38.267, 298.990



16, 25.293, 311.372



11, 2.421, 290.950



8, 65.862, 306.284



28, 121.493, 306.288

Previews

White Background



This preview shows how the CIELCh color 28, 21.915, 105.840 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, 21.915, 105.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

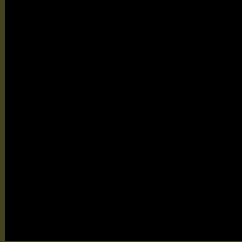
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

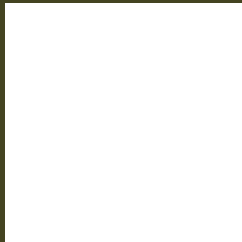
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 21.915, 105.840

Background



This preview shows how black text looks on a background with the CIELCh color 28, 21.915, 105.840.



This preview shows how white text looks on a background with the CIELCh color 28, 21.915, 105.840.

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, 21.915, 105.840

Protanopia

28, 21.742, 96.298

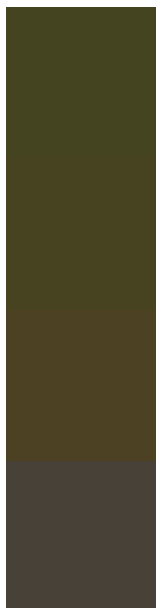
Deuteranopia

28, 20.958, 79.830



Tritanopia
28, 4.825, 338.181

Trichromacy



Original Color
28, 21.915, 105.840

Protanomaly
28, 22.061, 100.449

Deuteranomaly
28, 20.541, 90.136

Tritanomaly
28, 6.468, 82.985

Monochromacy



Original Color
28, 21.915, 105.840

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 7.748, 108.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 21.915, 105.840 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(68, 68, 33)` looks like.

```
.text, #text, p{  
    color:rgb(68, 68, 33)  
}
```

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(68, 68, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 68, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 21.915, 105.840 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(68, 68, 33) }
```

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

```
.border{ border-color:rgb(68, 68, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 68, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 68, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 68, 33);  
box-shadow:4px 4px 4px 4px rgb(68, 68, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 21.915, 105.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 68, 33) }
```

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

```
.background{ background-color: rgb(68, 68,  
33) }
```

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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