

Converting Colors

CIELCh(28, 21.633, 117.698)

Have a look what the booklet for
CIELCh(28, 21.633, 117.698)
contains.

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Color

CIELCh(28, 21.757, 117.853)

Conversions

Conversions Part 1

Format	Color
Hex	3D4624
RGB	61, 70, 36
RGB Percent	24%, 27%, 14%
CMY	0.7618, 0.7265, 0.8598
CMYK	0.13, 0.00, 0.49, 0.73
HSL	76°, 32%, 21%
HSV	76°, 49%, 27%
XYZ	4.3969, 5.4574, 2.4712
YIQ	63.4330, 5.5500, -12.4820

Conversions

Conversions Part 2

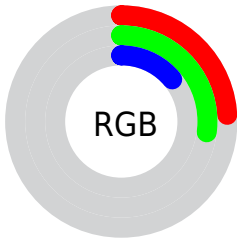
Format	Color
RYB	36, 70, 45
Decimal	4015652
CIELab	28.00, -10.16, 19.24
CIELCh	28, 21.757, 117.853
Yxy	5.4574, 0.3567, 0.4428
Android (android.graphics.Color)	4282205732 (0xFF3D4624)
YUV	63.4330, -13.5245, -2.1337
Hunter-Lab	23.3610, -7.2851, 10.0808

Details

The CIELCh color **28, 21.757, 117.853** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17, 23.971, 303.902**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 21.814, 117.751**, and **8, 15.417, 128.659** is the 20% darker color. If you saturate the color by 10%, you get **28, 25.884, 117.401**, and if you desaturate by 10%, it is **28, 17.444, 118.369**.

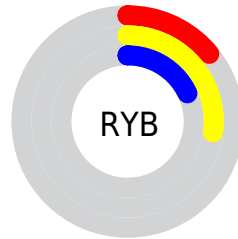
Distribution



Red (24%)

Green (27%)

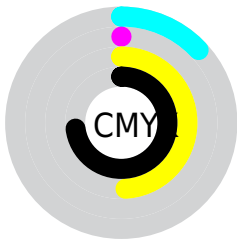
Blue (14%)



Red (14%)

Yellow (27%)

Blue (18%)

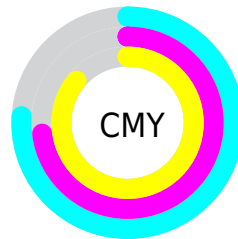


Cyan (13%)

Magenta (0%)

Yellow (49%)

Black (73%)



Cyan (76%)


Magenta (73%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 21.757, 117.853 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, 21.757, 117.853 by changing the saturation by 10% instead.

 28, 21.757,
117.853


 28, 21.757,
117.853

 100, 21.757,
117.853


 18, 21.757,
117.853


 48, 21.757,
117.853


 8, 21.757, 117.853

 58, 21.757,
117.853

 0, 21.757, 117.853

 68, 21.757,
117.853

 78, 21.757,
117.853

 88, 21.757,
117.853

 98, 21.757,

117.853

■ 28, 21.757,
117.853

■ 28, 21.757,
117.853

■ 28, 25.884,
117.401

■ 28, 17.444,
118.369

■ 28, 29.724,
117.050

■ 29, 13.011,
118.913

■ 27, 33.146,
116.860

■ 29, 8.508, 119.466

■ 29, 3.969, 120.015

■ 27, 36.039,
116.875

■ 30, 0.583, 300.513

■ 27, 38.951,
116.827

■ 30, 5.130, 301.050

■ 27, 39.324,
116.821

■ 30, 9.659, 301.537

■ 31, 14.160,
301.996

■ 31, 18.626,
302.427

Harmonies

Complementary

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



28, 21.757, 117.853



17, 23.971, 303.902

Rectangle

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



28, 21.757, 117.853



28, 21.757, 167.853



28, 21.757, 297.853



28, 21.757, 347.853

Sweetspot

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



28, 21.758, 117.855



38, 8.564, 119.637



21, 14.758, 44.274



18, 5.757, 119.585



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, 21.758, 117.855



37, 32.023, 117.333



27, 24.656, 134.996



14, 2.583, 120.021



39, 50.496, 117.362



83, 92.724, 118.316

Inverse Universe

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



17, 23.971, 303.902



20, 36.355, 304.962



19, 25.273, 319.132



13, 2.626, 300.950



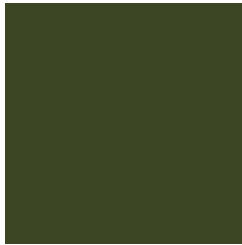
10, 65.019, 308.416



31, 119.772, 307.791

Previews

White Background



This preview shows how the CIELCh color 28, 21.757, 117.853 looks on a white background.

Color Contrast Check

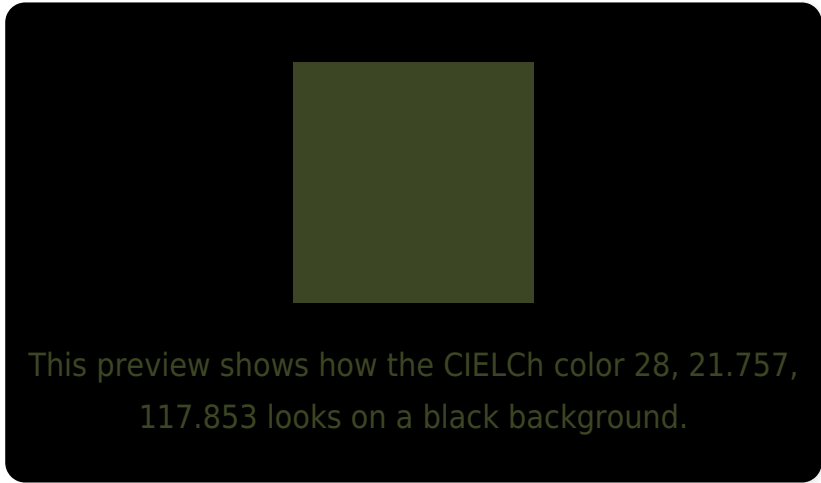
Large Text (above 18pt) WCAG AA ✓ Pass

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

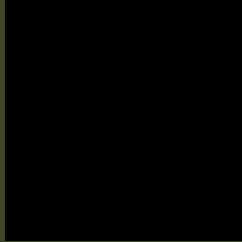
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

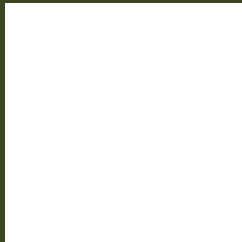
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 21.757, 117.853

Background



This preview shows how black text looks on a background with the CIELCh color 28, 21.757, 117.853.



This preview shows how white text looks on a background with the CIELCh color 28, 21.757, 117.853.

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

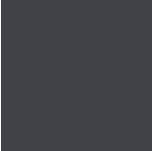
28, 21.757, 117.853

Protanopia

28, 19.975, 95.888

Deuteranopia

28, 19.010, 79.298



Tritanopia
28, 3.260, 283.217

Trichromacy



Original Color
28, 21.757, 117.853

Protanomaly
28, 20.207, 103.264

Deuteranomaly
28, 18.334, 93.691

Tritanomaly
28, 6.099, 126.558

Monochromacy



Original Color
28, 21.757, 117.853

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 7.892, 118.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 21.757, 117.853 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(61, 70, 36)` looks like.

```
.text, #text, p{  
    color:rgb(61, 70, 36)  
}
```

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(61, 70, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 70, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 21.757, 117.853 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(61, 70, 36) }
```

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

```
.border{ border-color:rgb(61, 70, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 70, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 70, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 70, 36);  
box-shadow:4px 4px 4px 4px rgb(61, 70, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 21.757, 117.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 70, 36) }
```

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

```
.background{ background-color: rgb(61, 70,  
36) }
```

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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