

Converting Colors

CIELCh(28, 16.860, 117.068)

Have a look what the booklet for
CIELCh(28, 16.860, 117.068)
contains.

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Color

CIELCh(28, 16.747, 117.008)

Conversions

Conversions Part 1

Format	Color
Hex	3F452B
RGB	63, 69, 43
RGB Percent	25%, 27%, 17%
CMY	0.7537, 0.7301, 0.8321
CMYK	0.09, 0.00, 0.38, 0.73
HSL	74°, 23%, 22%
HSV	74°, 38%, 27%
XYZ	4.5878, 5.4574, 3.0804
YIQ	64.2420, 4.7700, -9.3580

Conversions

Conversions Part 2

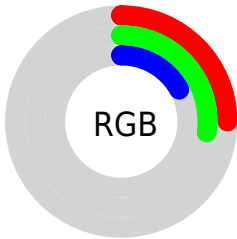
Format	Color
R_{YB}	43, 69, 49
Decimal	4146475
CIE _{Lab}	28.00, -7.61, 14.92
CIE _{LCh}	28, 16.747, 117.008
Yxy	5.4574, 0.3495, 0.4158
Android (android.graphics.Color)	4282336555 (0xFF3F452B)
YUV	64.2420, -10.4723, -1.0892
Hunter-Lab	23.3610, -5.8270, 8.5347

Details

The CIELCh color **28, 16.747, 117.008** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **19, 18.033, 301.853**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 16.530, 117.024**, and **8, 13.904, 118.865** is the 20% darker color. If you saturate the color by 10%, you get **28, 21.002, 116.463**, and if you desaturate by 10%, it is **28, 12.381, 117.585**.

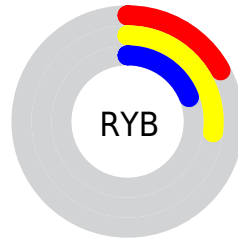
Distribution



Red (25%)

Green (27%)

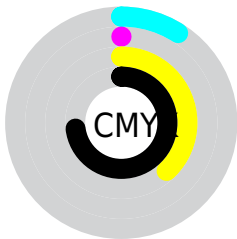
Blue (17%)



Red (17%)

Yellow (27%)

Blue (19%)

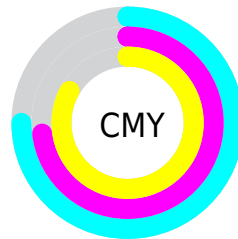


Cyan (9%)

Magenta (0%)

Yellow (38%)

Black (73%)



Cyan (75%)


Magenta (73%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 16.747, 117.008 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, 16.747, 117.008 by changing the saturation by 10% instead.

 28, 16.747,
117.008


 28, 16.747,
117.008

 100, 16.747,
117.008

 18, 16.747,
117.008


 48, 16.747,
117.008


 8, 16.747, 117.008

 58, 16.747,
117.008

 0, 16.747, 117.008

 68, 16.747,
117.008

 78, 16.747,
117.008

 88, 16.747,
117.008

 98, 16.747,

117.008

■ 28, 16.747,
117.008

■ 28, 16.747,
117.008

■ 28, 21.002,
116.463

■ 28, 12.381,
117.585

■ 27, 25.077,
115.971

■ 29, 7.946, 118.168

■ 27, 28.880,
115.574

■ 29, 3.477, 118.746

■ 29, 1.006, 299.293

■ 27, 32.283,
115.324

■ 30, 5.484, 299.842

■ 27, 35.156,
115.274

■ 30, 9.947, 300.358

■ 31, 14.384,
300.846

■ 27, 37.998,
115.197

■ 27, 38.637,
115.181

■ 31, 18.789,
301.306

■ 31, 23.156,
301.738

Harmonies

Complementary

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



28, 16.747, 117.008



19, 18.033, 301.853

Rectangle

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



28, 16.747, 117.008



28, 16.747, 167.008



28, 16.747, 297.008



28, 16.747, 347.008

Sweetspot

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



28, 16.748, 117.010



37, 6.111, 118.535



22, 11.051, 40.928



19, 4.141, 118.503



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, 16.748, 117.010



36, 24.577, 116.513



27, 18.821, 134.612



13, 2.413, 118.706



38, 49.160, 115.631



83, 91.065, 116.527

Inverse Universe

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



19, 18.033, 301.853



23, 27.043, 302.674



21, 19.263, 317.692



11, 2.454, 299.675



9, 64.166, 308.042



30, 119.337, 307.447

Previews

White Background



This preview shows how the CIELCh color 28, 16.747, 117.008 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, 16.747, 117.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

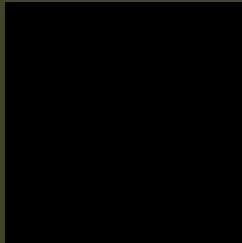
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

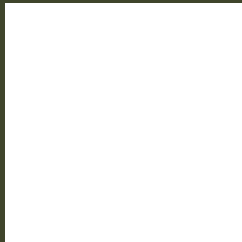
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 16.747, 117.008

Background



This preview shows how black text looks on a background with the CIELCh color 28, 16.747, 117.008.



This preview shows how white text looks on a background with the CIELCh color 28, 16.747, 117.008.

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, 16.747, 117.008

Protanopia

28, 15.634, 96.023

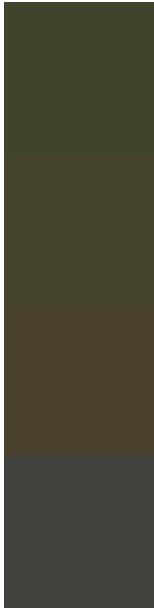
Deuteranopia

28, 14.801, 74.696



Tritanopia
28, 3.924, 297.268

Trichromacy



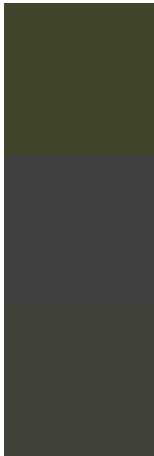
Original Color
28, 16.747, 117.008

Protanomaly
28, 15.945, 103.431

Deuteranomaly
28, 14.084, 90.999

Tritanomaly
28, 3.263, 117.548

Monochromacy



Original Color
28, 16.747, 117.008

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 6.523, 117.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 16.747, 117.008 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(63, 69, 43)` looks like.

```
.text, #text, p{  
    color:rgb(63, 69, 43)  
}
```

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(63, 69, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 69, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 16.747, 117.008 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(63, 69, 43) }
```

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

```
.border{ border-color:rgb(63, 69, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 69, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 69, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 69, 43);  
box-shadow:4px 4px 4px 4px rgb(63, 69, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 16.747, 117.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 69, 43) }
```

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

```
.background{ background-color: rgb(63, 69,  
43) }
```

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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