

Converting Colors

CIELCh(28, 32.619, 117.569)

Have a look what the booklet for
CIELCh(28, 32.619, 117.569)
contains.

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Color

CIELCh(28, 32.387, 117.713)

Conversions

Conversions Part 1

Format	Color
Hex	384712
RGB	56, 71, 18
RGB Percent	22%, 28%, 7%
CMY	0.7787, 0.7199, 0.9278
CMYK	0.21, 0.00, 0.74, 0.72
HSL	77°, 59%, 18%
HSV	77°, 74%, 28%
XYZ	4.0468, 5.4574, 1.4303
YIQ	60.4730, 8.0730, -19.6630

Conversions

Conversions Part 2

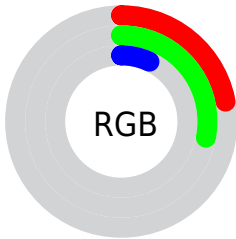
Format	Color
R_{YB}	18, 71, 33
Decimal	3688210
CIE _{Lab}	28.00, -15.06, 28.67
CIE _{LCh}	28, 32.387, 117.713
Yxy	5.4574, 0.3701, 0.4991
Android (android.graphics.Color)	4281878290 (0xFF384712)
YUV	60.4730, -20.9392, -3.9228
Hunter-Lab	23.3610, -9.9603, 12.7226

Details

The CIELCh color **28, 32.387, 117.713** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 38.080, 306.668**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 32.014, 117.370**, and **8, 18.078, 140.843** is the 20% darker color. If you saturate the color by 10%, you get **28, 35.579, 117.670**, and if you desaturate by 10%, it is **28, 28.677, 117.965**.

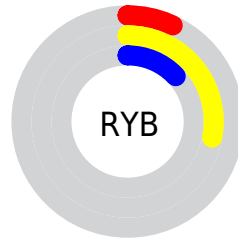
Distribution



Red (22%)

Green (28%)

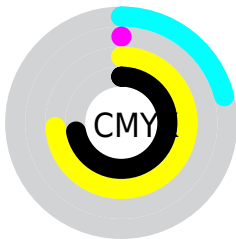
Blue (7%)



Red (7%)

Yellow (28%)

Blue (13%)

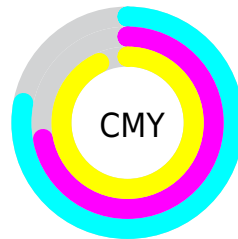


Cyan (21%)

Magenta (0%)

Yellow (74%)

Black (72%)



Cyan (78%)


Magenta (72%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 32.387, 117.713 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, 32.387, 117.713 by changing the saturation by 10% instead.

 28, 32.387,
117.713


 28, 32.387,
117.713

 100, 32.387,
117.713


 18, 32.387,
117.713


 48, 32.387,
117.713


 8, 32.387, 117.713

 58, 32.387,
117.713

 0, 32.387, 117.713

 68, 32.387,
117.713

 78, 32.387,
117.713

 88, 32.387,
117.713

 98, 32.387,

117.713

■ 28, 32.387,
117.713

■ 28, 32.387,
117.713

■ 28, 35.579,
117.670

■ 28, 28.677,
117.965

■ 28, 38.455,
117.709

■ 28, 24.602,
118.352

■ 27, 40.200,
117.672

■ 29, 20.283,
118.824

■ 29, 15.807,
119.341

■ 29, 11.234,
119.878

■ 30, 6.607, 120.417

■ 30, 1.956, 120.952

■ 31, 2.697, 301.442

■ 31, 7.337, 301.932

Harmonies

Complementary

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



28, 32.387, 117.713



11, 38.080, 306.668

Rectangle

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



28, 32.387, 117.713



28, 32.387, 167.713



28, 32.387, 297.713



28, 32.387, 347.713

Sweetspot

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



28, 32.387, 117.715



38, 12.576, 119.953



18, 24.768, 46.046



18, 8.324, 119.899



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, 32.387, 117.715



36, 44.713, 117.840



26, 36.953, 134.117



14, 2.590, 120.718



38, 50.738, 118.233



83, 93.221, 119.228

Inverse Universe

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



11, 38.080, 306.668



11, 55.233, 307.870



15, 37.929, 320.274



13, 2.632, 301.616



10, 64.824, 308.650



31, 119.432, 307.997

Previews

White Background



This preview shows how the CIELCh color 28, 32.387, 117.713 looks on a white background.

Color Contrast Check

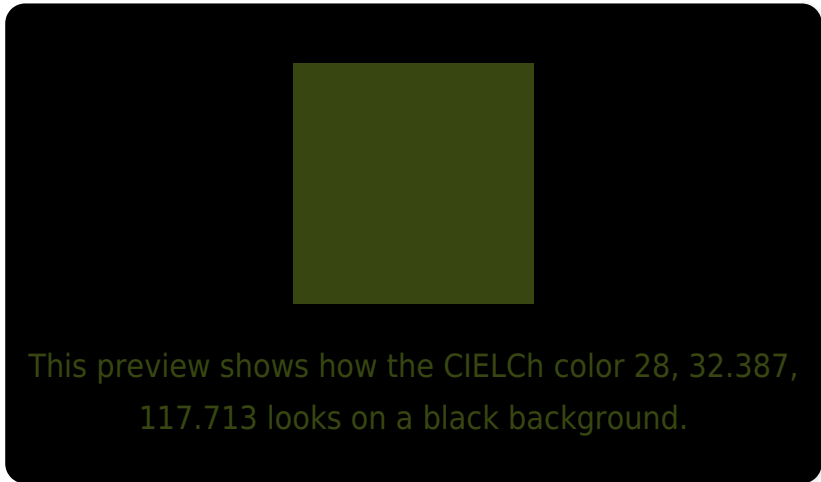
Large Text (above 18pt) WCAG AA ✓ Pass

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

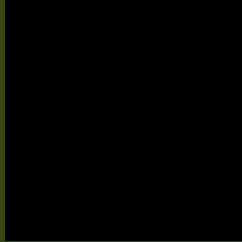
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 32.387, 117.713

Background



This preview shows how black text looks on a background with the CIELCh color 28, 32.387, 117.713.



This preview shows how white text looks on a background with the CIELCh color 28, 32.387, 117.713.

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](#).

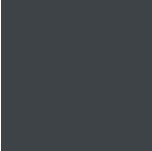
Dichromacy



Original Color
28, 32.387, 117.713

Protanopia
28, 29.849, 96.059

Deuteranopia
28, 27.902, 82.420



Tritanopia
28, 3.828, 257.117

Trichromacy



Original Color
28, 32.387, 117.713

Protanomaly
28, 29.971, 104.262

Deuteranomaly
28, 27.802, 96.999

Tritanomaly
28, 11.105, 130.314

Monochromacy



Original Color
28, 32.387, 117.713

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 12.588, 120.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 32.387, 117.713 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(56, 71, 18)` looks like.

```
.text, #text, p{  
    color:rgb(56, 71, 18)  
}
```

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(56, 71, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 71, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 32.387, 117.713 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(56, 71, 18) }
```

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

```
.border{ border-color:rgb(56, 71, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 71, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 71, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 71, 18);  
box-shadow:4px 4px 4px 4px rgb(56, 71, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 32.387, 117.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 71, 18) }
```

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

```
.background{ background-color: rgb(56, 71,  
18) }
```

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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