

Converting Colors

CIELCh(28, 47.257, 110.018)

Have a look what the booklet for
CIELCh(28, 47.257, 110.018)
contains.

CIELCh(28, 39.564, 112.648)	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, 39.564, 112.648)

Conversions

Conversions Part 1

Format	Color
Hex	3A4700
RGB	58, 71, 0
RGB Percent	23%, 28%, 0%
CMY	0.7713, 0.7202, 1.0000
CMYK	0.18, 0.00, 1.00, 0.72
HSL	71°, 100%, 14%
HSV	71°, 100%, 28%
XYZ	4.0348, 5.4574, 0.8224
YIQ	59.0190, 15.0430, -24.8370

Conversions

Conversions Part 2

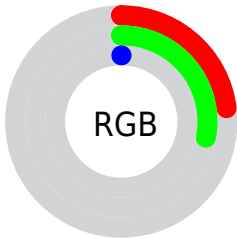
Format	Color
RYB	0, 71, 13
Decimal	3819264
CIELab	28.00, -15.23, 36.51
CIELCh	28, 39.564, 112.648
Yxy	5.4574, 0.3912, 0.5291
Android (android.graphics.Color)	4282009344 (0xFF3A4700)
YUV	59.0190, -29.0964, -0.8937
Hunter-Lab	23.3610, -10.0524, 14.2656

Details

The CIELCh color **28, 39.564, 112.648** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 50.111, 306.537**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 38.893, 112.539**, and **8, 18.078, 140.843** is the 20% darker color. If you saturate the color by 10%, you get **28, 39.314, 112.748**, and if you desaturate by 10%, it is **28, 36.426, 112.915**.

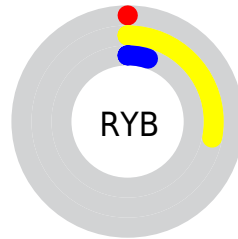
Distribution



Red (23%)

Green (28%)

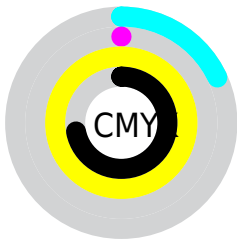
Blue (0%)



Red (0%)

Yellow (28%)

Blue (5%)

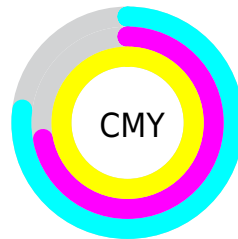


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (72%)



Cyan (77%)

Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 39.564, 112.648 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, 39.564, 112.648 by changing the saturation by 10% instead.

 28, 39.564,
112.648


 28, 39.564,
112.648

 100, 39.564,
112.648

 18, 39.564,
112.648


 48, 39.564,
112.648

 8, 39.564, 112.648

 58, 39.564,
112.648

 0, 39.564, 112.648

 68, 39.564,
112.648

 78, 39.564,
112.648

 88, 39.564,
112.648

 98, 39.564,

112.648

■ 28, 39.564,
112.648

■ 28, 39.564,
112.648

■ 28, 39.314,
112.748

■ 28, 36.426,
112.915

■ 28, 33.646,
113.003

■ 28, 30.323,
113.272

■ 29, 26.541,
113.696

■ 29, 22.441,
114.222

■ 29, 18.131,
114.811

■ 29, 13.687,
115.434

■ 30, 9.160, 116.069

■ 30, 4.588, 116.701

Harmonies

Complementary

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



28, 39.564, 112.648



5, 50.111, 306.537

Rectangle

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



28, 39.564, 112.648



28, 39.564, 162.648



28, 39.564, 292.648



28, 39.564, 342.648

Sweetspot

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



28, 39.314, 112.748



38, 16.861, 115.362



13, 34.133, 37.055



18, 11.323, 115.245



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, 39.314, 112.748



36, 46.836, 113.056



26, 44.743, 131.119



14, 2.558, 116.790



39, 49.544, 113.155



85, 90.753, 113.875

Inverse Universe

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



5, 50.111, 306.537



8, 62.173, 307.601



10, 47.801, 317.373



13, 2.604, 297.876



9, 65.817, 307.523



29, 121.090, 307.036

Previews

White Background



This preview shows how the CIELCh color 28, 39.564, 112.648 looks on a white background.

Color Contrast Check

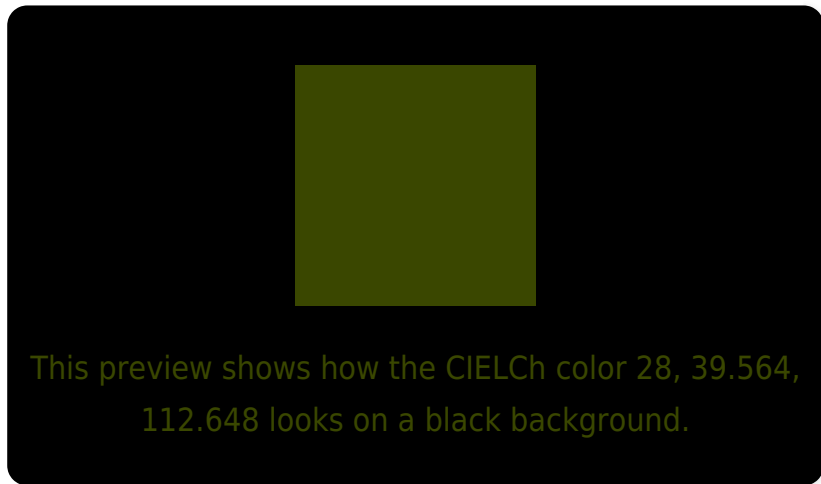
Large Text (above 18pt) WCAG AA ✓ Pass

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

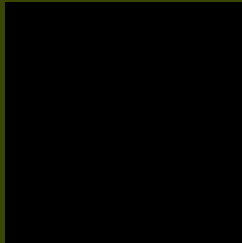
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 39.564, 112.648

Background



This preview shows how black text looks on a background with the CIELCh color 28, 39.564, 112.648.

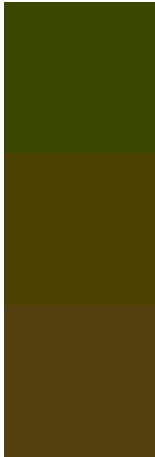


This preview shows how white text looks on a background with the CIELCh color 28, 39.564, 112.648.

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](#).

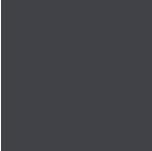
Dichromacy



Original Color
28, 39.181, 112.775

Protanopia
28, 36.903, 95.357

Deuteranopia
28, 32.080, 84.338



Tritanopia
28, 3.963, 278.487

Trichromacy



Original Color
28, 39.181, 112.775

Protanomaly
28, 37.335, 102.081

Deuteranomaly
28, 33.594, 96.176

Tritanomaly
28, 14.341, 119.040

Monochromacy



Original Color
28, 39.181, 112.775

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 16.189, 113.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 39.564, 112.648 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(58, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 71, 0)  
}
```

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(58, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 71, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 39.564, 112.648 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(58, 71, 0) }
```

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

```
.border{ border-color:rgb(58, 71, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 71, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(58, 71, 0); box-shadow:4px  
4px 4px 4px rgb(58, 71, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 39.564, 112.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 71, 0) }
```

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

```
.background{ background-color: rgb(58, 71,  
0) }
```

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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