

Converting Colors

CIELCh(28, 37.821, 112.186)

Have a look what the booklet for
CIELCh(28, 37.821, 112.186)
contains.

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Color

CIELCh(28, 37.908, 112.510)

Conversions

Conversions Part 1

Format	Color
Hex	3B4703
RGB	59, 71, 3
RGB Percent	23%, 28%, 1%
CMY	0.7683, 0.7212, 0.9879
CMYK	0.17, 0.00, 0.96, 0.72
HSL	71°, 92%, 15%
HSV	71°, 96%, 28%
XYZ	4.0851, 5.4574, 0.9268
YIQ	59.6600, 14.6760, -23.6920

Conversions

Conversions Part 2

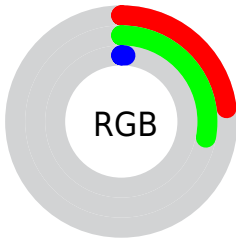
Format	Color
R_{YB}	3, 71, 15
Decimal	3884803
CIE Lab	28.00, -14.51, 35.02
CIE LCh	28, 37.908, 112.510
Yxy	5.4574, 0.3902, 0.5213
Android (android.graphics.Color)	4282074883 (0xFF3B4703)
YUV	59.6600, -27.9334, -0.5788
Hunter-Lab	23.3610, -9.6679, 14.0006

Details

The CIELCh color **28, 37.908, 112.510** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 48.170, 306.172**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 37.848, 112.163**, and **8, 17.795, 139.320** is the 20% darker color. If you saturate the color by 10%, you get **28, 39.172, 112.433**, and if you desaturate by 10%, it is **28, 35.126, 112.644**.

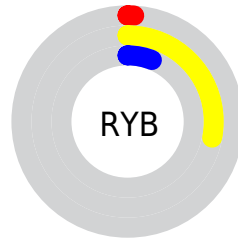
Distribution



Red (23%)

Green (28%)

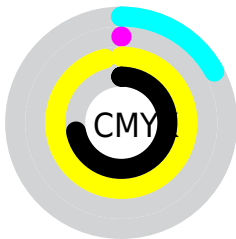
Blue (1%)



Red (1%)

Yellow (28%)

Blue (6%)

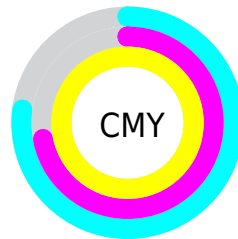


Cyan (17%)

Magenta (0%)

Yellow (96%)

Black (72%)



Cyan (77%)


Magenta (72%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 37.908, 112.510 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, 37.908, 112.510 by changing the saturation by 10% instead.

 28, 37.908,
112.510


 28, 37.908,
112.510

 100, 37.908,
112.510


 18, 37.908,
112.510


 48, 37.908,
112.510


 8, 37.908, 112.510

 58, 37.908,
112.510

 0, 37.908, 112.510

 68, 37.908,
112.510

 78, 37.908,
112.510

 88, 37.908,
112.510

 98, 37.908,

112.510

■ 28, 37.908,
112.510

■ 28, 37.908,
112.510

■ 28, 39.172,
112.433

■ 28, 35.126,
112.644

■ 28, 32.150,
112.809

■ 28, 28.621,
113.161

■ 29, 24.700,
113.642

■ 29, 20.513,
114.207

■ 29, 16.153,
114.820

■ 29, 11.685,
115.456

■ 30, 7.151, 116.098

■ 30, 2.583, 116.733

Harmonies

Complementary

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



28, 37.908, 112.510



6, 48.170, 306.172

Rectangle

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



28, 37.908, 112.510



28, 37.908, 162.510



28, 37.908, 292.510



28, 37.908, 342.510

Sweetspot

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



28, 37.908, 112.512



38, 16.297, 115.171



14, 32.840, 37.068



18, 11.007, 115.045



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, 37.908, 112.512



36, 46.781, 112.732



26, 43.197, 131.257



14, 2.557, 116.547



39, 49.485, 112.829



85, 90.629, 113.529

Inverse Universe

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



6, 48.170, 306.172



8, 62.224, 307.544



10, 45.870, 317.281



13, 2.602, 297.646



9, 65.869, 307.468



29, 121.172, 306.992

Previews

White Background



This preview shows how the CIELCh color 28, 37.908, 112.510 looks on a white background.

Color Contrast Check

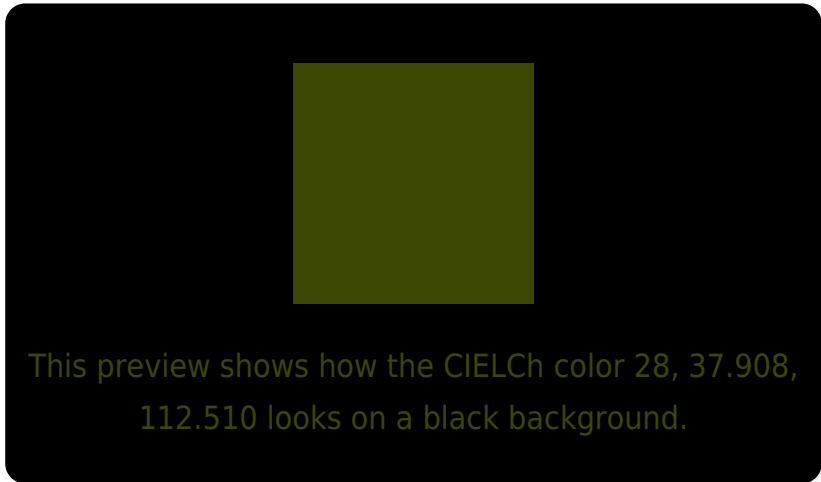
Large Text (above 18pt) WCAG AA ✓ Pass

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

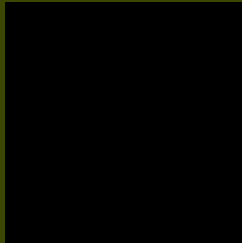
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 37.908, 112.510

Background



This preview shows how black text looks on a background with the CIELCh color 28, 37.908, 112.510.



This preview shows how white text looks on a background with the CIELCh color 28, 37.908, 112.510.

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

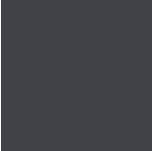
28, 37.908, 112.510

Protanopia

28, 36.903, 95.357

Deuteranopia

28, 32.080, 84.338



Tritanopia
28, 3.260, 283.217

Trichromacy



Original Color
28, 37.908, 112.510

Protanomaly
28, 36.931, 102.140

Deuteranomaly
28, 33.205, 96.171

Tritanomaly
28, 14.245, 117.172

Monochromacy



Original Color
28, 37.908, 112.510

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 16.153, 113.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 37.908, 112.510 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(59, 71, 3)` looks like.

```
.text, #text, p{  
    color:rgb(59, 71, 3)  
}
```

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(59, 71, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 71, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 37.908, 112.510 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(59, 71, 3) }
```

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

```
.border{ border-color:rgb(59, 71, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 71, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 71, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 71, 3); box-shadow:4px  
4px 4px 4px rgb(59, 71, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 37.908, 112.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 71, 3) }
```

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

```
.background{ background-color: rgb(59, 71,  
3) }
```

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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