

Converting Colors

CIELCh(28, 37.087, 114.959)

Have a look what the booklet for
CIELCh(28, 37.087, 114.959)
contains.

CIELCh(28, 37.456, 115.104)	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, 37.456, 115.104)

Conversions

Conversions Part 1

Format	Color
Hex	394806
RGB	57, 72, 6
RGB Percent	22%, 28%, 2%
CMY	0.7780, 0.7191, 0.9780
CMYK	0.21, 0.00, 0.92, 0.72
HSL	74°, 85%, 15%
HSV	74°, 92%, 28%
XYZ	3.9894, 5.4574, 1.0044
YIQ	59.9910, 12.2460, -23.7060

Conversions

Conversions Part 2

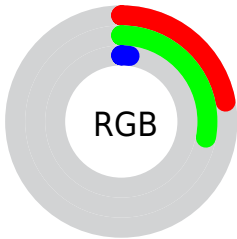
Format	Color
RYB	6, 72, 21
Decimal	3753990
CIELab	28.00, -15.89, 33.92
CIELCh	28, 37.456, 115.104
Yxy	5.4574, 0.3817, 0.5222
Android (android.graphics.Color)	4281944070 (0xFF394806)
YUV	59.9910, -26.6176, -2.6231
Hunter-Lab	23.3610, -10.3991, 13.8037

Details

The CIELCh color **28, 37.456, 115.104** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 46.937, 306.897**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 37.034, 114.575**, and **8, 19.160, 141.040** is the 20% darker color. If you saturate the color by 10%, you get **28, 39.777, 115.011**, and if you desaturate by 10%, it is **28, 34.660, 115.113**.

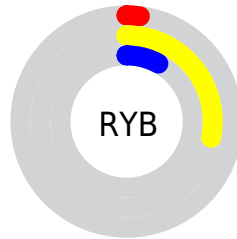
Distribution



Red (22%)

Green (28%)

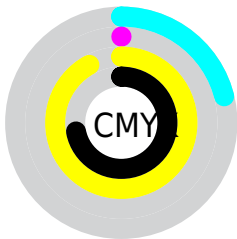
Blue (2%)



Red (2%)

Yellow (28%)

Blue (8%)

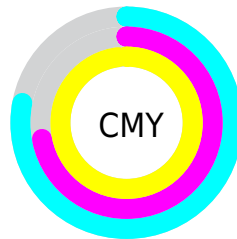


Cyan (21%)

Magenta (0%)

Yellow (92%)

Black (72%)



Cyan (78%)


Magenta (72%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 37.456, 115.104 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, 37.456, 115.104 by changing the saturation by 10% instead.

 28, 37.456,
115.104


 28, 37.456,
115.104

 100, 37.456,
115.104


 18, 37.456,
115.104


 48, 37.456,
115.104

 8, 37.456, 115.104

 58, 37.456,
115.104

 0, 37.456, 115.104

 68, 37.456,
115.104

 78, 37.456,
115.104

 88, 37.456,
115.104

 98, 37.456,

115.104

■ 28, 37.456,
115.104

■ 28, 37.456,
115.104

■ 28, 39.777,
115.011

■ 28, 34.660,
115.113

■ 28, 31.406,
115.273

■ 29, 27.659,
115.612

■ 29, 23.569,
116.071

■ 29, 19.251,
116.604

■ 29, 14.786,
117.176

■ 30, 10.230,
117.764

■ 30, 5.624, 118.352

■ 30, 0.995, 118.937

Harmonies

Complementary

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



28, 37.456, 115.104



7, 46.937, 306.897

Rectangle

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



28, 37.456, 115.104



28, 37.456, 165.104



28, 37.456, 295.104



28, 37.456, 345.104

Sweetspot

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



28, 37.456, 115.106



39, 16.203, 117.352



15, 31.317, 40.301



19, 11.267, 117.212



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28, 37.456, 115.106



37, 48.206, 115.417



26, 42.841, 132.522



14, 2.571, 118.561



39, 50.030, 115.494



84, 91.763, 116.351

Inverse Universe

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



7, 46.937, 306.897



9, 62.991, 308.033



12, 44.543, 318.735



13, 2.615, 299.558



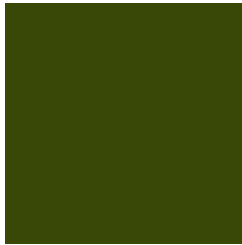
10, 65.402, 307.976



30, 120.422, 307.410

Previews

White Background



This preview shows how the CIELCh color 28, 37.456, 115.104 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 CIE LCh color 28, 37.456, 115.104 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, 37.456, 115.104

Background



This preview shows how black text looks on a background with the CIELCh color 28, 37.456, 115.104.



This preview shows how white text looks on a background with the CIELCh color 28, 37.456, 115.104.

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](#).

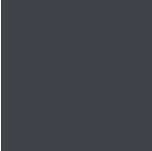
Dichromacy



Original Color
28, 37.456, 115.104

Protanopia
28, 36.498, 95.347

Deuteranopia
28, 31.659, 84.176



Tritanopia
28, 3.622, 262.737

Trichromacy



Original Color
28, 37.456, 115.104

Protanomaly
28, 36.119, 103.106

Deuteranomaly
28, 32.364, 97.097

Tritanomaly
28, 13.943, 123.412

Monochromacy



Original Color
28, 37.456, 115.104

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 15.612, 116.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 37.456, 115.104 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(57, 72, 6)` looks like.

```
.text, #text, p{  
    color:rgb(57, 72, 6)  
}
```

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(57, 72, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 72, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 37.456, 115.104 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(57, 72, 6) }
```

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

```
.border{ border-color:rgb(57, 72, 6) }
```

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

Here you see how a box with a 4 pixel rgb(57, 72, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 72, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(57, 72, 6); box-shadow:4px  
4px 4px 4px rgb(57, 72, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 37.456, 115.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 72, 6) }
```

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

```
.background{ background-color: rgb(57, 72,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor