

Converting Colors

CIELCh(28, 52.768, 94.835)

Have a look what the booklet for
CIELCh(28, 52.768, 94.835) contains.

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Color

CIELCh(28, 37.310, 95.442)

Conversions

Conversions Part 1

Format	Color
Hex	4B4200
RGB	75, 66, 0
RGB Percent	29%, 26%, 0%
CMY	0.7044, 0.7395, 1.0000
CMYK	0.00, 0.12, 1.00, 0.70
HSL	53°, 100%, 15%
HSV	53°, 100%, 30%
XYZ	4.9021, 5.4574, 0.7784
YIQ	61.1670, 26.5500, -18.6180

Conversions

Conversions Part 2

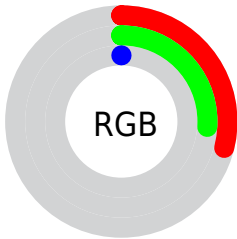
Format	Color
RYB	10, 75, 0
Decimal	4932096
CIELab	28.00, -3.54, 37.14
CIELCh	28, 37.310, 95.442
Yxy	5.4574, 0.4401, 0.4900
Android (android.graphics.Color)	4283122176 (0xFF4B4200)
YUV	61.1670, -30.1553, 12.1315
Hunter-Lab	23.3610, -3.4250, 14.3771

Details

The CIELCh color **28, 37.310, 95.442** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 48.019, 302.041**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 37.277, 95.520**, and **8, 12.168, 105.026** is the 20% darker color. If you saturate the color by 10%, you get **28, 37.077, 95.439**, and if you desaturate by 10%, it is **28, 34.335, 96.251**.

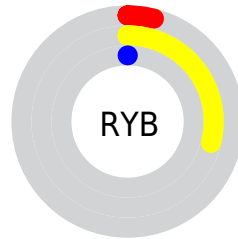
Distribution



Red (29%)

Green (26%)

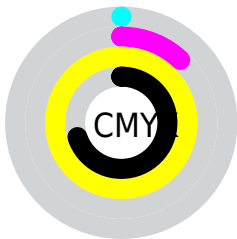
Blue (0%)



Red (4%)

Yellow (29%)

Blue (0%)

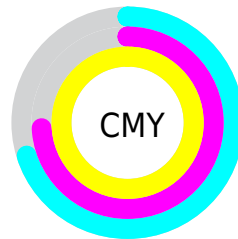


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (70%)



Cyan (70%)

Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 37.310, 95.442 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, 37.310, 95.442 by changing the saturation by 10% instead.

 28, 37.310, 95.442

 28, 37.310, 95.442

 100, 37.310,
95.442

 18, 37.310, 95.442

 48, 37.310, 95.442

 8, 37.310, 95.442

 58, 37.310, 95.442

 0, 37.310, 95.442

 68, 37.310, 95.442

 78, 37.310, 95.442

 88, 37.310, 95.442

 98, 37.310, 95.442

 28, 37.310, 95.442

 28, 37.310, 95.442

■ 28, 37.077, 95.439

■ 28, 34.335, 96.251

■ 29, 31.682, 97.130

■ 29, 28.463, 98.051

■ 29, 24.815, 99.007

■ 30, 20.896, 99.986

■ 30, 16.818,
100.978

■ 31, 12.650,
101.971

■ 31, 8.440, 102.956

■ 32, 4.215, 103.920

Harmonies

Complementary

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



28, 37.310, 95.442



6, 48.019, 302.041

Rectangle

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



28, 37.310, 95.442



28, 37.310, 145.442



28, 37.310, 275.442



28, 37.310, 325.442

Sweetspot

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



28, 37.077, 95.439



39, 15.572, 101.864



13, 37.178, 25.475



19, 10.475, 101.663



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, 37.077, 95.439



36, 44.136, 95.120



29, 42.758, 121.430



15, 2.381, 104.045



38, 45.732, 95.066



81, 82.345, 94.442

Inverse Universe

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



6, 48.019, 302.041



10, 59.303, 303.304



7, 52.257, 310.187



14, 2.415, 285.761



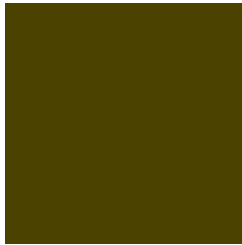
11, 61.782, 303.451



31, 117.305, 304.838

Previews

White Background



This preview shows how the CIELCh color 28, 37.310, 95.442 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, 37.310, 95.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

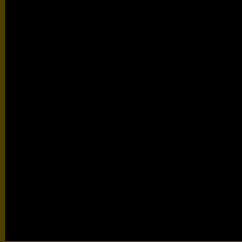
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 37.310, 95.442

Background



This preview shows how black text looks on a background with the CIELCh color 28, 37.310, 95.442.



This preview shows how white text looks on a background with the CIELCh color 28, 37.310, 95.442.

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, 36.903, 95.357

Protanopia

28, 36.825, 96.266

Deuteranopia

28, 34.234, 84.173



Tritanopia
28, 8.354, 358.333

Trichromacy



Original Color
28, 36.903, 95.357

Protanomaly
28, 36.825, 96.266

Deuteranomaly
28, 35.079, 88.096

Tritanomaly
28, 15.341, 80.038

Monochromacy



Original Color
28, 36.903, 95.357

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 16.092, 101.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 37.310, 95.442 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(75, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 66, 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(75, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 66, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 37.310, 95.442 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(75, 66, 0) }
```

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

```
.border{ border-color:rgb(75, 66, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 66, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 66, 0); box-shadow:4px  
4px 4px 4px rgb(75, 66, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 37.310, 95.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 66, 0) }
```

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

```
.background{ background-color: rgb(75, 66,  
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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