

Converting Colors

CIELCh(29, 38.155, 97.032)

Have a look what the booklet for
CIELCh(29, 38.155, 97.032) contains.

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Color

CIELCh(29, 37.958, 97.218)

Conversions

Conversions Part 1

Format	Color
Hex	4C4500
RGB	76, 69, 0
RGB Percent	30%, 27%, 0%
CMY	0.7008, 0.7284, 0.9990
CMYK	0.00, 0.09, 1.00, 0.70
HSL	54°, 99%, 15%
HSV	54°, 100%, 30%
XYZ	5.1495, 5.8380, 0.8629
YIQ	63.2270, 26.3210, -19.9750

Conversions

Conversions Part 2

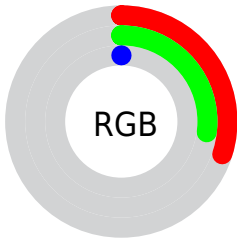
Format	Color
R _Y B	8, 76, 0
Decimal	4998400
CIE Lab	29.00, -4.77, 37.66
CIE LCh	29, 37.958, 97.218
Yxy	5.8380, 0.4345, 0.4926
Android (android.graphics.Color)	4283188480 (0xFF4C4500)
YUV	63.2270, -31.1709, 11.2019
Hunter-Lab	24.1619, -4.2406, 14.7959

Details

The CIELCh color **29, 37.958, 97.218** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 49.544, 302.766**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 38.017, 97.174**, and **9, 13.667, 104.797** is the 20% darker color. If you saturate the color by 10%, you get **29, 38.056, 97.196**, and if you desaturate by 10%, it is **29, 35.181, 97.968**.

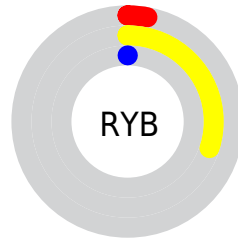
Distribution



Red (30%)

Green (27%)

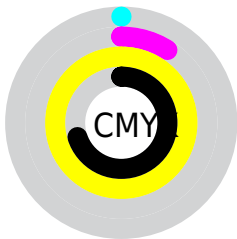
Blue (0%)



Red (3%)

Yellow (30%)

Blue (0%)

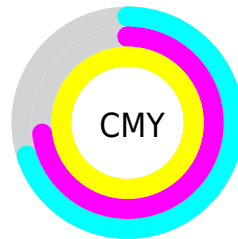


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (70%)



Cyan (70%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 37.958, 97.218 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 29, 37.958, 97.218 by changing the saturation by 10% instead.

■ 29, 37.958, 97.218

■ 29, 37.958, 97.218

■ 100, 37.958,
97.218

■ 19, 37.958, 97.218

■ 49, 37.958, 97.218

■ 9, 37.958, 97.218

■ 59, 37.958, 97.218

■ 0, 37.958, 97.218

■ 69, 37.958, 97.218

■ 79, 37.958, 97.218

■ 89, 37.958, 97.218

■ 99, 37.958, 97.218

■ 29, 37.958, 97.218

■ 29, 37.958, 97.218

■ 29, 38.056, 97.196

■ 29, 35.181, 97.968

■ 30, 32.504, 98.755

■ 30, 29.220, 99.605

■ 30, 25.485,
100.506

■ 30, 21.461,
101.441

■ 31, 17.260,
102.398

■ 31, 12.957,
103.361

■ 32, 8.602, 104.320

■ 32, 4.224, 105.263

Harmonies

Complementary

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



29, 37.958, 97.218



6, 49.544, 302.766

Rectangle

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



29, 37.958, 97.218



29, 37.958, 147.218



29, 37.958, 277.218



29, 37.958, 327.218

Sweetspot

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



29, 37.958, 97.220



41, 16.318, 103.219



13, 37.803, 27.129



20, 11.217, 102.998



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 37.958, 97.220



38, 45.661, 96.954



29, 43.429, 122.814



15, 2.447, 105.355



39, 46.472, 96.934



83, 83.750, 96.469

Inverse Universe

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



6, 49.544, 302.766



10, 61.910, 304.030



7, 52.353, 310.845



14, 2.485, 287.032



10, 63.154, 304.092



30, 119.207, 305.292

Previews

White Background



This preview shows how the CIELCh color 29, 37.958, 97.218 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 29, 37.958, 97.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

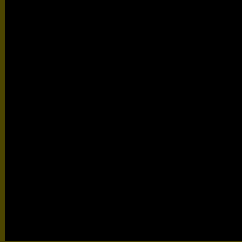
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 37.958, 97.218

Background



This preview shows how black text looks on a background with the CIELCh color 29, 37.958, 97.218.

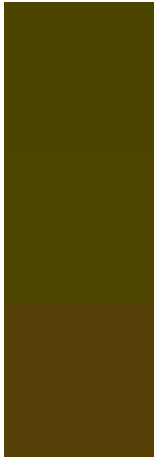


This preview shows how white text looks on a background with the CIELCh color 29, 37.958, 97.218.

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

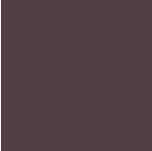
29, 37.958, 97.218

Protanopia

29, 38.025, 96.412

Deuteranopia

29, 34.855, 83.741



Tritanopia
29, 7.892, 356.896

Trichromacy



Original Color
29, 37.958, 97.218

Protanomaly
29, 38.025, 96.412

Deuteranomaly
29, 35.704, 89.416

Tritanomaly
29, 15.597, 82.651

Monochromacy



Original Color
29, 37.958, 97.218

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 15.980, 103.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 37.958, 97.218 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(76, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 69, 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(76, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 69, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 37.958, 97.218 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(76, 69, 0) }
```

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

```
.border{ border-color:rgb(76, 69, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 69, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 69, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 69, 0); box-shadow:4px  
4px 4px 4px rgb(76, 69, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 37.958, 97.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 69, 0) }
```

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

```
.background{ background-color: rgb(76, 69,  
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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