

Converting Colors

CIELCh(29, 36.192, 118.052)

Have a look what the booklet for
CIELCh(29, 36.192, 118.052)
contains.

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Color

CIELCh(29, 36.013, 117.470)

Conversions

Conversions Part 1

Format	Color
Hex	394A0D
RGB	57, 74, 13
RGB Percent	22%, 29%, 5%
CMY	0.7755, 0.7088, 0.9479
CMYK	0.23, 0.00, 0.82, 0.71
HSL	77°, 70%, 17%
HSV	77°, 82%, 29%
XYZ	4.2418, 5.8380, 1.2934
YIQ	61.9630, 9.4490, -22.5750

Conversions

Conversions Part 2

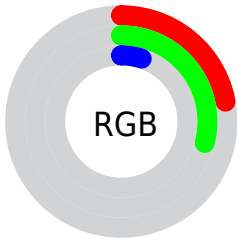
Format	Color
RYB	13, 74, 30
Decimal	3754509
CIELab	29.00, -16.61, 31.95
CIElCh	29, 36.013, 117.470
Yxy	5.8380, 0.3730, 0.5133
Android (android.graphics.Color)	4281944589 (0xFF394A0D)
YUV	61.9630, -24.1388, -4.3526
Hunter-Lab	24.1619, -10.9467, 13.7396

Details

The CIELCh color **29, 36.013, 117.470** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 43.407, 307.223**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 36.299, 117.762**, and **9, 20.905, 139.899** is the 20% darker color. If you saturate the color by 10%, you get **29, 38.890, 117.565**, and if you desaturate by 10%, it is **29, 32.624, 117.560**.

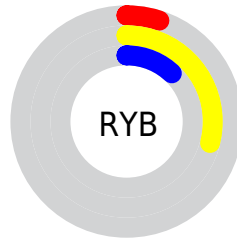
Distribution



 Red (22%)

 Green (29%)

 Blue (5%)



 Red (5%)

 Yellow (29%)

 Blue (12%)

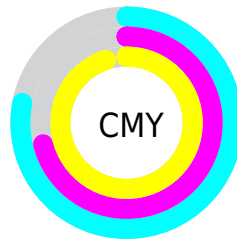


 Cyan (23%)

 Magenta (0%)

 Yellow (82%)

 Black (71%)



 Cyan (78%)


 Magenta (71%)


 Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 36.013, 117.470 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, 36.013, 117.470 by changing the saturation by 10% instead.

 29, 36.013,
117.470

 29, 36.013,
117.470

 100, 36.013,
117.470

 19, 36.013,
117.470


 49, 36.013,
117.470


 9, 36.013, 117.470

 59, 36.013,
117.470

 0, 36.013, 117.470

 69, 36.013,
117.470

 79, 36.013,
117.470

 89, 36.013,
117.470

 99, 36.013,

117.470

■ 29, 36.013,
117.470

■ 29, 36.013,
117.470

■ 29, 38.890,
117.565

■ 29, 32.624,
117.560

■ 29, 41.310,
117.507

■ 29, 28.723,
117.843

■ 30, 24.468,
118.254

■ 30, 19.976,
118.742

■ 30, 15.333,
119.272

■ 31, 10.600,
119.817

■ 31, 5.817, 120.362

■ 31, 1.014, 120.909

■ 32, 3.788, 301.395

Harmonies

Complementary

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



29, 36.013, 117.470



10, 43.407, 307.223

Rectangle

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



29, 36.013, 117.470



29, 36.013, 167.470



29, 36.013, 297.470



29, 36.013, 347.470

Sweetspot

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



29, 36.013, 117.472



40, 14.919, 119.607



17, 28.617, 45.589



19, 10.034, 119.514



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 36.013, 117.472



38, 49.450, 117.971



27, 41.187, 133.835



15, 2.746, 120.547



39, 51.602, 118.074



84, 93.896, 119.028

Inverse Universe

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



10, 43.407, 307.223



10, 63.073, 308.520



14, 42.212, 320.319



14, 2.791, 301.471



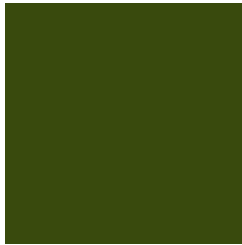
11, 66.058, 308.565



31, 120.532, 307.943

Previews

White Background



This preview shows how the CIELCh color 29, 36.013, 117.470 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 29, 36.013, 117.470 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, 36.013, 117.470

Background



This preview shows how black text looks on a background with the CIELCh color 29, 36.013, 117.470.



This preview shows how white text looks on a background with the CIELCh color 29, 36.013, 117.470.

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](#).

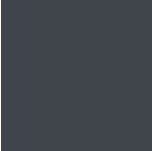
Dichromacy



Original Color
29, 36.013, 117.470

Protanopia
29, 33.363, 96.428

Deuteranopia
29, 30.968, 83.147



Tritanopia
29, 4.354, 262.022

Trichromacy



Original Color
29, 36.013, 117.470

Protanomaly
29, 33.927, 104.575

Deuteranomaly
29, 31.238, 96.291

Tritanomaly
29, 12.235, 128.037

Monochromacy



Original Color
29, 36.013, 117.470

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 14.406, 118.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 36.013, 117.470 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, 74, 13)` looks like.

```
.text, #text, p{  
    color:rgb(57, 74, 13)  
}
```

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, 74, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 74, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 36.013, 117.470 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, 74, 13) }
```

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

```
.border{ border-color:rgb(57, 74, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 74, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 74, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 74, 13);  
box-shadow:4px 4px 4px 4px rgb(57, 74, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 36.013, 117.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 74, 13) }
```

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

```
.background{ background-color: rgb(57, 74,  
13) }
```

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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