

Converting Colors

CIELCh(29, 37.155, 111.483)

Have a look what the booklet for
CIELCh(29, 37.155, 111.483)
contains.

CIELCh(29, 36.990, 111.351)	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(29, 36.990, 111.351)

Conversions

Conversions Part 1

Format	Color
Hex	3F4907
RGB	63, 73, 7
RGB Percent	25%, 29%, 3%
CMY	0.7529, 0.7137, 0.9725
CMYK	0.14, 0.00, 0.90, 0.71
HSL	69°, 82%, 16%
HSV	69°, 90%, 29%
XYZ	4.4714, 5.8380, 1.0923
YIQ	62.4860, 15.2260, -22.6460

Conversions

Conversions Part 2

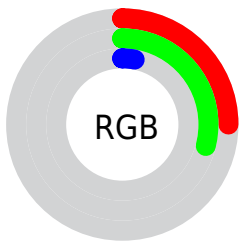
Format	Color
R_{YB}	7, 73, 17
Decimal	4147463
CIE _{Lab}	29.00, -13.47, 34.45
CIE _{LCh}	29, 36.990, 111.351
Yxy	5.8380, 0.3922, 0.5120
Android (android.graphics.Color)	4282337543 (0xFF3F4907)
YUV	62.4860, -27.3546, 0.4508
Hunter-Lab	24.1619, -9.2500, 14.2329

Details

The CIELCh color **29, 36.990, 111.351** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 47.142, 305.591**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 36.681, 111.104**, and **9, 18.623, 133.157** is the 20% darker color. If you saturate the color by 10%, you get **29, 39.767, 111.145**, and if you desaturate by 10%, it is **29, 34.235, 111.485**.

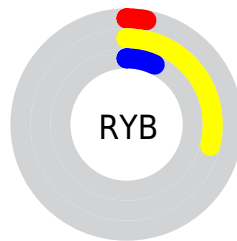
Distribution



Red (25%)

Green (29%)

Blue (3%)



Red (3%)

Yellow (29%)

Blue (7%)

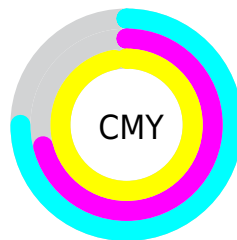


Cyan (14%)

Magenta (0%)

Yellow (90%)

Black (71%)



Cyan (75%)


Magenta (71%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 36.990, 111.351 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, 36.990, 111.351 by changing the saturation by 10% instead.

 29, 36.990,
111.351


 29, 36.990,
111.351

 100, 36.990,
111.351


 19, 36.990,
111.351


 49, 36.990,
111.351


 9, 36.990, 111.351

 59, 36.990,
111.351

 0, 36.990, 111.351

 69, 36.990,
111.351

 79, 36.990,
111.351

 89, 36.990,
111.351

 99, 36.990,

111.351

■ 29, 36.990,
111.351

■ 29, 36.990,
111.351

■ 29, 39.767,
111.145

■ 29, 34.235,
111.485

■ 29, 30.913,
111.791

■ 29, 27.105,
112.250

■ 30, 22.962,
112.811

■ 30, 18.597,
113.434

■ 30, 14.090,
114.092

■ 30, 9.495, 114.764

■ 31, 4.851, 115.434

■ 31, 0.183, 116.075

Harmonies

Complementary

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



29, 36.990, 111.351



7, 47.142, 305.591

Rectangle

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



29, 36.990, 111.351



29, 36.990, 161.351



29, 36.990, 291.351



29, 36.990, 341.351

Sweetspot

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



29, 36.990, 111.353



39, 15.497, 114.252



15, 32.461, 36.787



19, 10.522, 114.147



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, 36.990, 111.353



37, 47.472, 111.429



27, 42.105, 130.984



14, 2.551, 115.556



39, 49.260, 111.484



85, 90.161, 112.098

Inverse Universe

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



7, 47.142, 305.591



8, 63.642, 307.303



11, 44.800, 316.724



13, 2.597, 296.708



9, 66.071, 307.258



29, 121.477, 306.828

Previews

White Background



This preview shows how the CIELCh color 29, 36.990, 111.351 looks on a white background.

Color Contrast Check

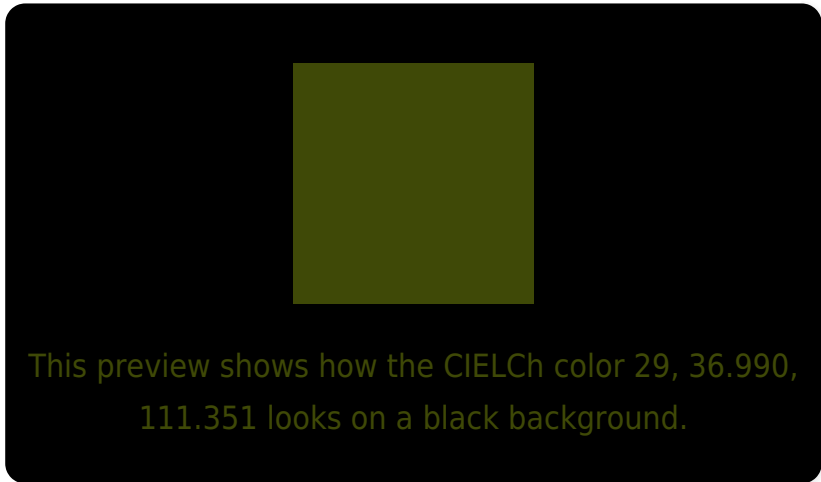
Large Text (above 18pt) WCAG AA ✓ Pass

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

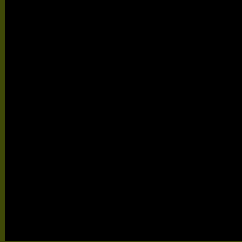
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 36.990, 111.351

Background



This preview shows how black text looks on a background with the CIELCh color 29, 36.990, 111.351.



This preview shows how white text looks on a background with the CIELCh color 29, 36.990, 111.351.

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, 36.990, 111.351

Protanopia

29, 36.004, 96.434

Deuteranopia

29, 32.722, 83.876



Tritanopia
29, 3.257, 298.418

Trichromacy



Original Color
29, 36.990, 111.351

Protanomaly
29, 35.746, 101.603

Deuteranomaly
29, 33.491, 94.532

Tritanomaly
29, 13.419, 113.764

Monochromacy



Original Color
29, 36.990, 111.351

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 15.467, 114.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 36.990, 111.351 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(63, 73, 7)` looks like.

```
.text, #text, p{  
    color:rgb(63, 73, 7)  
}
```

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(63, 73, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 73, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 36.990, 111.351 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(63, 73, 7) }
```

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

```
.border{ border-color:rgb(63, 73, 7) }
```

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

Here you see how a box with a 4 pixel rgb(63, 73, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 73, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(63, 73, 7); box-shadow:4px  
4px 4px 4px rgb(63, 73, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 36.990, 111.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 73, 7) }
```

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

```
.background{ background-color: rgb(63, 73,  
7) }
```

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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