

Converting Colors

CIELCh(3, 63.144, 333.490)

Have a look what the booklet for
CIELCh(3, 63.144, 333.490) contains.

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Color

CIELCh(11, 37.154, 334.231)

Conversions

Conversions Part 1

Format	Color
Hex	3D0134
RGB	61, 1, 52
RGB Percent	24%, 0%, 20%
CMY	0.7605, 0.9966, 0.7961
CMYK	0.00, 0.99, 0.15, 0.76
HSL	309°, 97%, 12%
HSV	309°, 99%, 24%
XYZ	2.5580, 1.2610, 3.3555
YIQ	24.7540, 19.3890, 28.5810

Conversions

Conversions Part 2

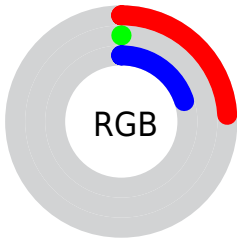
Format	Color
R_{YB}	61, 1, 52
Decimal	3998004
CIE _{Lab}	11.00, 33.46, -16.15
CIE _{LCh}	11, 37.154, 334.231
Yxy	1.2610, 0.3565, 0.1758
Android (android.graphics.Color)	4282188084 (0xFF3D0134)
YUV	24.7540, 13.4323, 31.7877
Hunter-Lab	11.2295, 21.0095, -9.8561

Details

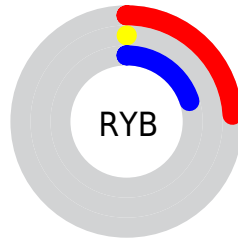
The CIELCh color **11, 37.154, 334.231** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21, 38.877, 140.089**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 37.205, 333.947**, and **0, 0.807, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **11, 37.548, 334.301**, and if you desaturate by 10%, it is **12, 34.530, 333.711**.

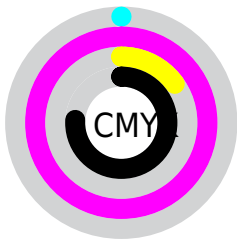
Distribution



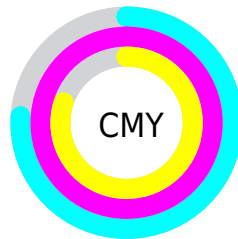
- Red (24%)
- Green (0%)
- Blue (20%)



- Red (24%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (99%)
- Yellow (15%)
- Black (76%)





- Cyan (76%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 37.154, 334.231 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 11, 37.154, 334.231 by changing the saturation by 10% instead.

 11, 37.154,
334.231


 11, 37.154,
334.231


 100, 37.154,
334.231


 1, 37.154, 334.231


 31, 37.154,
334.231

 0, 37.154, 334.231

 41, 37.154,
334.231


 51, 37.154,
334.231


 61, 37.154,
334.231


 71, 37.154,
334.231


 81, 37.154,


334.231


 91, 37.154,
334.231


 11, 37.154,
334.231


 11, 37.154,
334.231


 11, 37.548,
334.301

 12, 34.530,
333.711

 13, 32.049,
333.149

 14, 29.006,
332.588

 15, 25.414,
332.031

 17, 21.419,
331.476

■ 19, 17.160,
330.923

■ 20, 12.749,
330.374

■ 22, 8.275, 329.830

■ 24, 3.805, 329.285

Harmonies

Complementary

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



11, 37.154, 334.231



21, 38.877, 140.089

Rectangle

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



11, 37.154, 334.231



11, 37.154, 24.231



11, 37.154, 154.231



11, 37.154, 204.231

Sweetspot

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



11, 37.153, 334.231



27, 16.585, 330.524



4, 41.927, 303.935



12, 11.415, 330.613



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



11, 37.153, 334.231



16, 44.377, 334.612



10, 30.015, 8.236



10, 2.463, 329.276



20, 49.989, 334.798



51, 92.316, 335.418

Inverse Universe

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



11, 37.153, 334.231



16, 44.377, 334.612



22, 25.374, 161.526



10, 2.463, 329.276



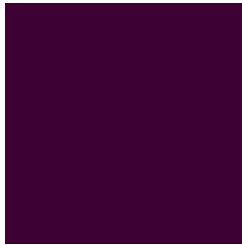
20, 49.989, 334.798



51, 92.316, 335.418

Previews

White Background



This preview shows how the CIE LCh color 11, 37.154, 334.231 looks on a white background.

Color Contrast Check

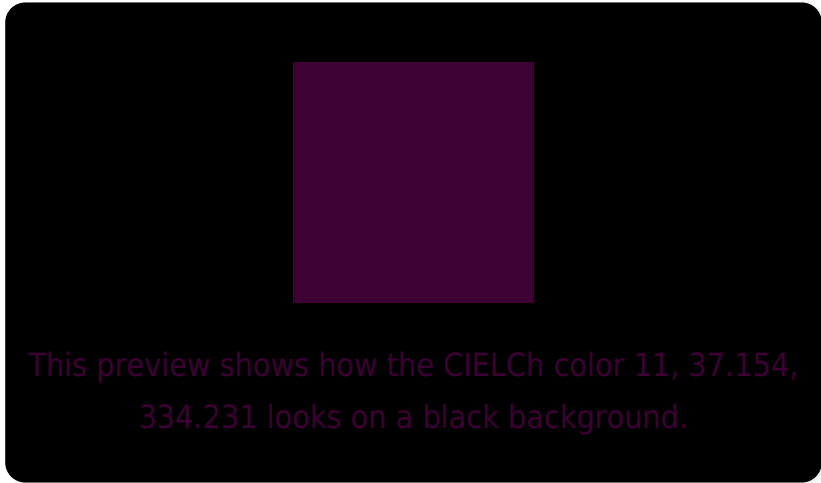
Large Text (above 18pt) WCAG AA ✓ Pass

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

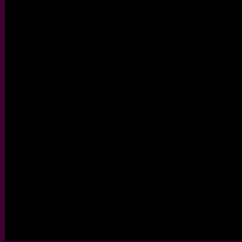
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 37.154, 334.231

Background



This preview shows how black text looks on a background with the CIELCh color 11, 37.154, 334.231.



This preview shows how white text looks on a background with the CIELCh color 11, 37.154, 334.231.

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

11, 37.086, 334.173

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 10.930, 280.334



Tritanopia
12, 20.655, 22.794

Trichromacy



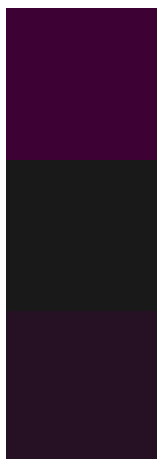
Original Color
11, 37.086, 334.173

Protanomaly
10, 30.834, 299.702

Deuteranomaly
11, 21.607, 315.905

Tritanomaly
11, 24.621, 356.727

Monochromacy



Original Color
11, 37.086, 334.173

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 17.180, 331.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 37.154, 334.231 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(61, 1, 52)` looks like.

```
.text, #text, p{  
    color:rgb(61, 1, 52)  
}
```

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(61, 1, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 1, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 37.154, 334.231 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(61, 1, 52) }
```

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

```
.border{ border-color:rgb(61, 1, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 1, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 1, 52); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 1, 52); box-shadow:4px  
4px 4px 4px rgb(61, 1, 52) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 37.154, 334.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 1, 52) }
```

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

```
.background{ background-color: rgb(61, 1,  
52) }
```

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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