

Converting Colors

CIELCh(11, 28.494, 37.516)

Have a look what the booklet for
CIELCh(11, 28.494, 37.516) contains.

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Color

CIELCh(11, 28.443, 37.267)

Conversions

Conversions Part 1

Format	Color
Hex	3D0D00
RGB	61, 13, 0
RGB Percent	24%, 5%, 0%
CMY	0.7620, 0.9503, 1.0000
CMYK	0.00, 0.79, 1.00, 0.76
HSL	13°, 100%, 12%
HSV	13°, 100%, 24%
XYZ	2.0427, 1.2610, 0.1218
YIQ	25.8700, 32.7810, 6.1330

Conversions

Conversions Part 2

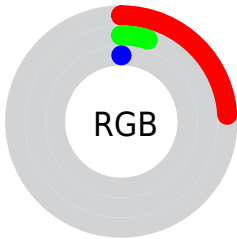
Format	Color
RYB	61, 17, 0
Decimal	4001024
CIELab	11.00, 22.64, 17.22
CIElCh	11, 28.443, 37.267
Yxy	1.2610, 0.5963, 0.3681
Android (android.graphics.Color)	4282191104 (0xFF3D0D00)
YUV	25.8700, -12.7539, 30.8090
Hunter-Lab	11.2295, 12.8192, 7.2174

Details

The CIELCh color **11, 28.443, 37.267** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 15.663, 231.771**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 28.517, 37.673**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 28.351, 36.936**, and if you desaturate by 10%, it is **12, 25.987, 37.942**.

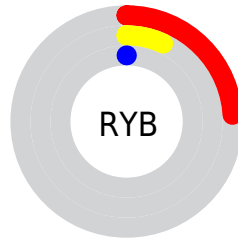
Distribution



Red (24%)

Green (5%)

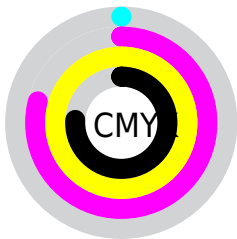
Blue (0%)



Red (24%)

Yellow (7%)

Blue (0%)

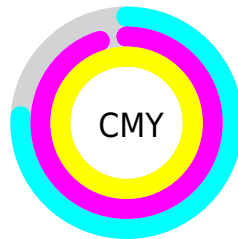


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (76%)



Cyan (76%)

Magenta (95%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 28.443, 37.267 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, 28.443, 37.267 by changing the saturation by 10% instead.

 11, 28.443, 37.267

 11, 28.443, 37.267

 100, 28.443,
37.267

 1, 28.443, 37.267

 31, 28.443, 37.267

 0, 28.443, 37.267

 41, 28.443, 37.267

 51, 28.443, 37.267

 61, 28.443, 37.267

 71, 28.443, 37.267

 81, 28.443, 37.267

 91, 28.443, 37.267

■ 11, 28.443, 37.267

■ 11, 28.443, 37.267

■ 11, 28.351, 36.936

■ 12, 25.987, 37.942

■ 13, 23.481, 39.752

■ 14, 20.538, 40.959

■ 16, 17.117, 40.731

■ 17, 13.779, 40.378

■ 19, 10.636, 40.178

■ 21, 7.694, 40.109

■ 22, 4.948, 40.140

■ 24, 2.387, 40.226

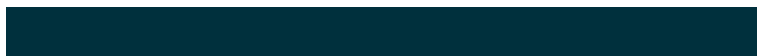
Harmonies

Complementary

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



11, 28.443, 37.267



18, 15.663, 231.771

Rectangle

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



11, 28.443, 37.267



11, 28.443, 87.267



11, 28.443, 217.267



11, 28.443, 267.267

Sweetspot

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



11, 28.351, 36.936



27, 9.638, 40.112



11, 36.189, 336.660



12, 6.675, 40.118



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, 28.351, 36.936



16, 37.110, 40.446



19, 27.204, 81.509



11, 1.327, 40.235



20, 43.994, 42.104



49, 89.344, 43.488

Inverse Universe

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



18, 15.663, 231.771



24, 18.722, 233.592



7, 31.867, 292.952



11, 1.270, 220.873



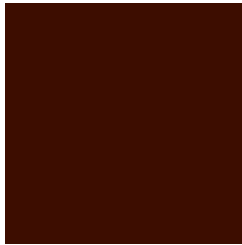
29, 21.187, 234.638



67, 39.808, 238.061

Previews

White Background



This preview shows how the CIELCh color 11, 28.443, 37.267 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

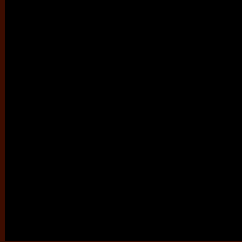
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 28.443, 37.267

Background



This preview shows how black text looks on a background with the CIELCh color 11, 28.443, 37.267.

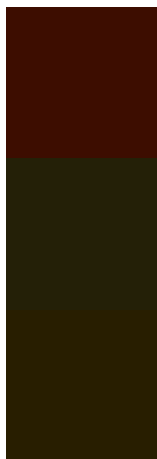


This preview shows how white text looks on a background with the CIELCh color 11, 28.443, 37.267.

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, 28.443, 37.267

Protanopia

12, 15.198, 98.106

Deuteranopia

12, 17.603, 87.239



Tritanopia
11, 26.781, 27.350

Trichromacy



Original Color

11, 28.443, 37.267

Protanomaly

11, 16.788, 62.894

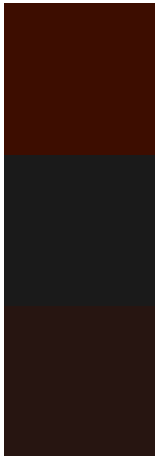
Deuteranomaly

11, 19.419, 60.160

Tritanomaly

11, 27.353, 30.521

Monochromacy



Original Color

11, 28.443, 37.267

Achromatopsia

9, 0.003, 296.813

Achromatomaly

9, 10.585, 35.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 28.443, 37.267 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, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 13, 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(61, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 13, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 28.443, 37.267 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, 13, 0) }
```

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

```
.border{ border-color:rgb(61, 13, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 13, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 13, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 13, 0); box-shadow:4px  
4px 4px 4px rgb(61, 13, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 28.443, 37.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 13, 0) }
```

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

```
.background{ background-color: rgb(61, 13,  
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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