

Converting Colors

CIELCh(11, 33.129, 353.499)

Have a look what the booklet for
CIELCh(11, 33.129, 353.499)
contains.

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Color

CIELCh(11, 32.896, 354.358)

Conversions

Conversions Part 1

Format	Color
Hex	420023
RGB	66, 0, 35
RGB Percent	26%, 0%, 14%
CMY	0.7425, 1.0000, 0.8638
CMYK	0.00, 1.00, 0.47, 0.74
HSL	328°, 100%, 13%
HSV	328°, 100%, 26%
XYZ	2.5212, 1.2610, 1.6795
YIQ	23.7240, 28.1010, 24.8770

Conversions

Conversions Part 2

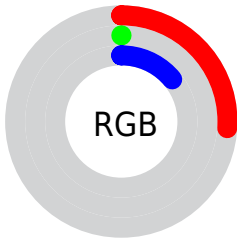
Format	Color
RYB	66, 0, 35
Decimal	4325411
CIELab	11.00, 32.74, -3.23
CIELCh	11, 32.896, 354.358
Yxy	1.2610, 0.4616, 0.2309
Android (android.graphics.Color)	4282515491 (0xFF420023)
YUV	23.7240, 5.5591, 37.0761
Hunter-Lab	11.2295, 20.4241, -1.0071

Details

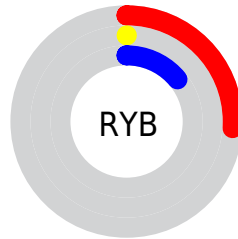
The CIELCh color **11, 32.896, 354.358** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **24, 32.560, 150.765**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 32.426, 354.572**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 32.775, 354.441**, and if you desaturate by 10%, it is **12, 30.412, 352.731**.

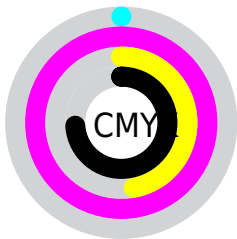
Distribution



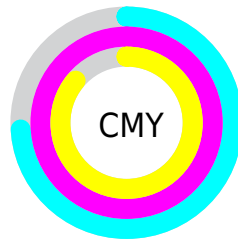
- Red (26%)
- Green (0%)
- Blue (14%)



- Red (26%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (74%)



- Cyan (74%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 32.896, 354.358 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, 32.896, 354.358 by changing the saturation by 10% instead.

■ 11, 32.896,
354.358

■ 11, 32.896,
354.358

■ 100, 32.896,
354.358

■ 1, 32.896, 354.358

■ 31, 32.896,
354.358

■ 0, 32.896, 354.358

■ 41, 32.896,
354.358


■ 51, 32.896,
354.358


■ 61, 32.896,
354.358


■ 71, 32.896,
354.358


■ 81, 32.896,


354.358


 91, 32.896,
354.358


 11, 32.896,
354.358

 11, 32.896,
354.358


 11, 32.775,
354.441

 12, 30.412,
352.731

 13, 28.286,
350.780

 15, 25.652,
349.088

 16, 22.505,
347.668

 18, 18.998,
346.453

■ 20, 15.272,
345.392

■ 22, 11.438,
344.447

■ 24, 7.581, 343.591

■ 26, 3.757, 342.794

Harmonies

Complementary

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



11, 32.896, 354.358



24, 32.560, 150.765

Rectangle

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



11, 32.896, 354.358



11, 32.896, 44.358



11, 32.896, 174.358



11, 32.896, 224.358

Sweetspot

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



11, 32.775, 354.441



28, 14.065, 344.556



6, 46.147, 312.099



12, 9.686, 344.721



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



11, 32.775, 354.441



16, 38.482, 355.935



10, 33.954, 26.568



12, 2.103, 342.678



19, 42.310, 356.685



49, 77.288, 359.842

Inverse Universe

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



11, 32.775, 354.441



16, 38.482, 355.935



24, 19.379, 191.951



12, 2.103, 342.678



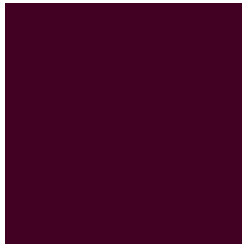
19, 42.310, 356.685



49, 77.288, 359.842

Previews

White Background



This preview shows how the CIELCh color 11, 32.896, 354.358 looks on a white background.

Color Contrast Check

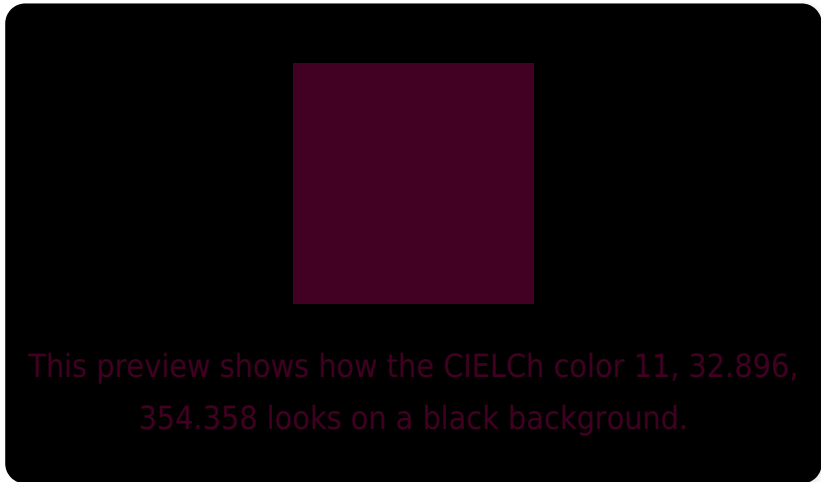
Large Text (above 18pt) WCAG AA ✓ Pass

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

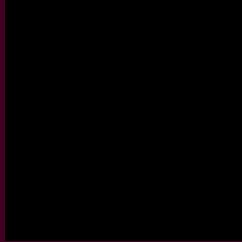
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 32.896, 354.358

Background



This preview shows how black text looks on a background with the CIELCh color 11, 32.896, 354.358.



This preview shows how white text looks on a background with the CIELCh color 11, 32.896, 354.358.

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, 32.896, 354.358

Protanopia

13, 11.559, 283.318

Deuteranopia

13, 2.643, 35.598



Tritanopia
12, 27.882, 28.313

Trichromacy



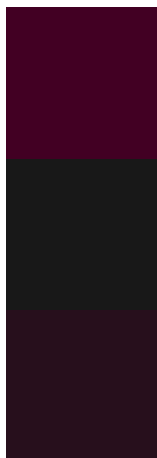
Original Color
11, 32.896, 354.358

Protanomaly
11, 18.183, 323.899

Deuteranomaly
11, 15.680, 351.978

Tritanomaly
12, 28.314, 15.401

Monochromacy



Original Color
11, 32.896, 354.358

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 15.082, 346.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 32.896, 354.358 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(66, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(66, 0, 35)  
}
```

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(66, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 0, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 32.896, 354.358 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(66, 0, 35) }
```

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

```
.border{ border-color:rgb(66, 0, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 0, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 0, 35); -webkit-box-shadow:4px  
4px 4px 4px rgb(66, 0, 35); box-shadow:4px  
4px 4px 4px rgb(66, 0, 35) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 32.896, 354.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 0, 35) }
```

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

```
.background{ background-color: rgb(66, 0,  
35) }
```

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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