

Converting Colors

CIELCh(13, 11.727, 32.696)

Have a look what the booklet for
CIELCh(13, 11.727, 32.696) contains.

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Color

CIELCh(13, 11.791, 32.801)

Conversions

Conversions Part 1

Format	Color
Hex	311C19
RGB	49, 28, 25
RGB Percent	19%, 11%, 10%
CMY	0.8074, 0.8898, 0.9015
CMYK	0.00, 0.43, 0.49, 0.81
HSL	8°, 32%, 15%
HSV	8°, 49%, 19%
XYZ	1.8671, 1.5625, 1.1290
YIQ	33.9370, 13.4790, 3.5190

Conversions

Conversions Part 2

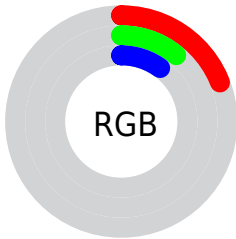
Format	Color
R_{YB}	49, 28, 25
Decimal	3218457
CIE Lab	13.00, 9.91, 6.39
CIE LCh	13, 11.791, 32.801
Yxy	1.5625, 0.4096, 0.3428
Android (android.graphics.Color)	4281408537 (0xFF311C19)
YUV	33.9370, -4.4059, 13.2103
Hunter-Lab	12.5000, 4.7874, 3.3948

Details

The CIELCh color **13, 11.791, 32.801** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 8.713, 211.726**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 11.490, 33.568**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 14.623, 33.338**, and if you desaturate by 10%, it is **14, 9.068, 32.204**.

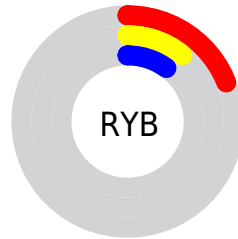
Distribution



Red (19%)

Green (11%)

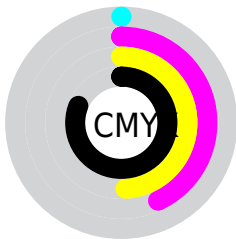
Blue (10%)



Red (19%)

Yellow (11%)

Blue (10%)

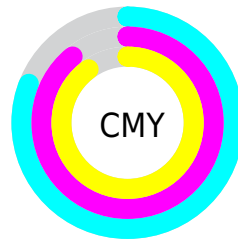


Cyan (0%)

Magenta (43%)

Yellow (49%)

Black (81%)



Cyan (81%)

Magenta (89%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 11.791, 32.801 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 13, 11.791, 32.801 by changing the saturation by 10% instead.

 13, 11.791, 32.801

 13, 11.791, 32.801

 100, 11.791,
32.801

 3, 11.791, 32.801

 33, 11.791, 32.801

 0, 11.791, 32.801

 43, 11.791, 32.801

 53, 11.791, 32.801

 63, 11.791, 32.801

 73, 11.791, 32.801

 83, 11.791, 32.801

 93, 11.791, 32.801

■ 13, 11.791, 32.801

■ 13, 11.791, 32.801

■ 12, 14.623, 33.338

■ 14, 9.068, 32.204

■ 10, 17.227, 32.386

■ 16, 6.508, 31.761

■ 9, 19.544, 30.504

■ 17, 4.110, 31.441

■ 8, 21.643, 28.810

■ 19, 1.868, 31.184

■ 7, 23.607, 27.924

■ 21, 0.227, 212.104

■ 7, 23.821, 27.841

■ 22, 2.187, 211.231

■ 24, 4.023, 211.192

■ 25, 5.748, 211.220

■ 27, 7.373, 211.287

Harmonies

Complementary

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



13, 11.791, 32.801



17, 8.713, 211.726

Rectangle

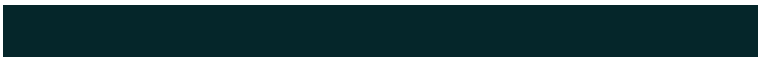
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13, 11.791, 32.801



13, 11.791, 82.801



13, 11.791, 212.801



13, 11.791, 262.801

Sweetspot

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



13, 11.790, 32.806



24, 4.020, 31.360



13, 18.407, 330.188



11, 2.777, 31.371



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



13, 11.790, 32.806



16, 18.479, 33.909



17, 11.474, 81.540



8, 1.194, 30.992



17, 43.058, 38.128



46, 90.403, 41.452

Inverse Universe

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



17, 8.713, 211.726



23, 12.354, 212.342



13, 11.072, 273.931



9, 1.145, 211.260



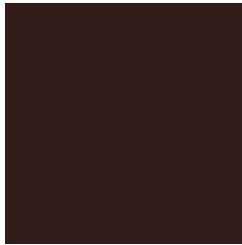
30, 20.524, 217.527



71, 38.845, 219.634

Previews

White Background



This preview shows how the CIELCh color 13, 11.791, 32.801 looks on a white background.

Color Contrast Check

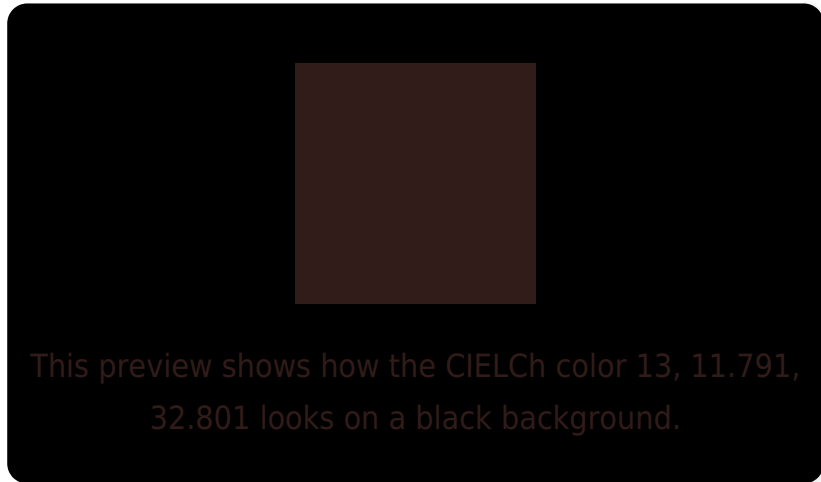
Large Text (above 18pt) WCAG AA ✓ Pass

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

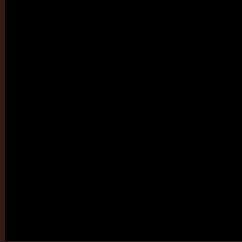
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 11.791, 32.801

Background



This preview shows how black text looks on a background with the CIELCh color 13, 11.791, 32.801.



This preview shows how white text looks on a background with the CIELCh color 13, 11.791, 32.801.

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

13, 11.791, 32.801

Protanopia

13, 4.403, 95.186

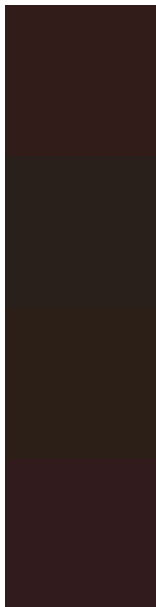
Deuteranopia

13, 7.508, 77.756



Tritanopia
13, 11.676, 16.030

Trichromacy



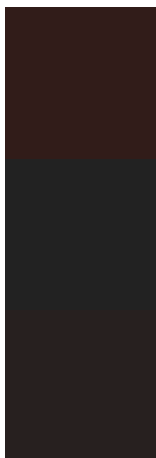
Original Color
13, 11.791, 32.801

Protanomaly
13, 6.039, 56.325

Deuteranomaly
13, 8.379, 56.917

Tritanomaly
13, 11.733, 19.480

Monochromacy



Original Color
13, 11.791, 32.801

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 3.677, 31.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 11.791, 32.801 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(49, 28, 25)` looks like.

```
.text, #text, p{  
    color:rgb(49, 28, 25)  
}
```

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(49, 28, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 28, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 11.791, 32.801 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(49, 28, 25) }
```

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

```
.border{ border-color:rgb(49, 28, 25) }
```

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

Here you see how a box with a 4 pixel rgb(49, 28, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 28, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 28, 25);  
box-shadow:4px 4px 4px 4px rgb(49, 28, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 11.791, 32.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 28, 25) }
```

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

```
.background{ background-color: rgb(49, 28,  
25) }
```

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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