

Converting Colors

CIELCh(13, 30.298, 8.559)

Have a look what the booklet for
CIELCh(13, 30.298, 8.559) contains.

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Color

CIELCh(13, 30.296, 9.194)

Conversions

Conversions Part 1

Format	Color
Hex	46081C
RGB	70, 8, 28
RGB Percent	27%, 3%, 11%
CMY	0.7253, 0.9684, 0.8901
CMYK	0.00, 0.89, 0.60, 0.73
HSL	341°, 79%, 15%
HSV	341°, 89%, 27%
XYZ	2.8264, 1.5625, 1.2535
YIQ	28.8180, 30.5320, 19.3640

Conversions

Conversions Part 2

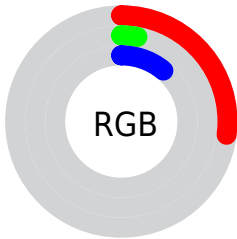
Format	Color
RYB	70, 8, 28
Decimal	4589596
CIELab	13.00, 29.91, 4.84
CIELCh	13, 30.296, 9.194
Yxy	1.5625, 0.5009, 0.2769
Android (android.graphics.Color)	4282779676 (0xFF46081C)
YUV	28.8180, -0.4033, 36.1166
Hunter-Lab	12.5000, 18.4866, 2.8045




Details

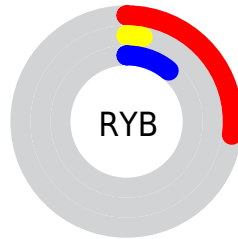
The CIELCh color **13, 30.296, 9.194** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 25.260, 164.374**, and the grayscale version is **11, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 30.232, 9.251**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 33.042, 12.020**, and if you desaturate by 10%, it is **14, 27.729, 6.088**.

Distribution







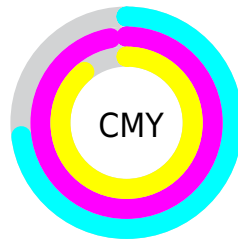
-  Red (27%)
-  Green (3%)
-  Blue (11%)






-  Red (27%)
-  Yellow (3%)
-  Blue (11%)



-  Cyan (0%)
-  Magenta (89%)
-  Yellow (60%)
-  Black (73%)



-  Cyan (73%)
-  Magenta (97%)
-  Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 30.296, 9.194 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, 30.296, 9.194 by changing the saturation by 10% instead.

 13, 30.296, 9.194  13, 30.296, 9.194

 100, 30.296, 9.194  3, 30.296, 9.194

 33, 30.296, 9.194  0, 30.296, 9.194

 43, 30.296, 9.194

 53, 30.296, 9.194

 63, 30.296, 9.194

 73, 30.296, 9.194

 83, 30.296, 9.194

 93, 30.296, 9.194

 13, 30.296, 9.194  13, 30.296, 9.194

■ 12, 33.042, 12.020

■ 14, 27.729, 6.088

■ 12, 33.488, 12.369

■ 16, 24.711, 3.532

■ 17, 21.323, 1.454

■ 19, 17.703,
359.743

■ 21, 13.974,
358.311

■ 23, 10.234,
357.089

■ 25, 6.548, 356.025

■ 28, 2.960, 355.061

■ 30, 0.508, 174.753

Harmonies

Complementary

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



13, 30.296, 9.194



26, 25.260, 164.374

Rectangle

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



13, 30.296, 9.194



13, 30.296, 59.194



13, 30.296, 189.194



13, 30.296, 239.194

Sweetspot

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



13, 30.294, 9.196



31, 12.127, 357.045



11, 42.671, 317.232



14, 8.066, 357.194



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



13, 30.294, 9.196



17, 40.505, 14.803



14, 30.354, 37.373



13, 1.971, 355.072



19, 42.913, 15.426



48, 79.800, 19.896

Inverse Universe

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



13, 30.294, 9.196



17, 40.505, 14.803



23, 16.267, 222.579



13, 1.971, 355.072



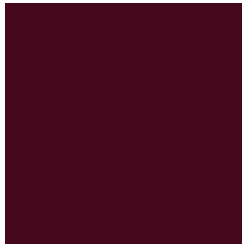
19, 42.913, 15.426



48, 79.800, 19.896

Previews

White Background



This preview shows how the CIELCh color 13, 30.296, 9.194 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, 30.296, 9.194

Background



This preview shows how black text looks on a background with the CIELCh color 13, 30.296, 9.194.



This preview shows how white text looks on a background with the CIELCh color 13, 30.296, 9.194.

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, 30.296, 9.194

Protanopia

14, 2.845, 290.987

Deuteranopia

14, 8.352, 76.804



Tritanopia
13, 30.354, 29.228

Trichromacy



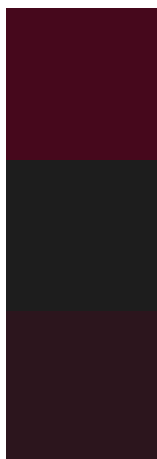
Original Color
13, 30.296, 9.194

Protanomaly
13, 12.890, 350.096

Deuteranomaly
13, 15.100, 21.468

Tritanomaly
13, 30.048, 23.172

Monochromacy



Original Color
13, 30.296, 9.194

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 13.017, 357.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 30.296, 9.194 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(70, 8, 28)` looks like.

```
.text, #text, p{  
    color:rgb(70, 8, 28)  
}
```

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(70, 8, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 8, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 30.296, 9.194 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(70, 8, 28) }
```

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

```
.border{ border-color:rgb(70, 8, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 8, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 8, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 8, 28); box-shadow:4px  
4px 4px 4px rgb(70, 8, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 30.296, 9.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 8, 28) }
```

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

```
.background{ background-color: rgb(70, 8,  
28) }
```

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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