

Converting Colors

CIELCh(13, 13.657, 8.586)

Have a look what the booklet for
CIELCh(13, 13.657, 8.586) contains.

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Color

CIELCh(13, 13.827, 9.152)

Conversions

Conversions Part 1

Format	Color
Hex	341A1F
RGB	52, 26, 31
RGB Percent	20%, 10%, 12%
CMY	0.7964, 0.8983, 0.8787
CMYK	0.00, 0.50, 0.40, 0.80
HSL	348°, 33%, 15%
HSV	348°, 50%, 20%
XYZ	2.0267, 1.5625, 1.4865
YIQ	34.3440, 13.8910, 7.0670

Conversions

Conversions Part 2

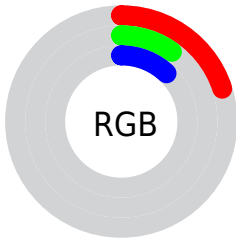
Format	Color
RYB	52, 26, 31
Decimal	3414559
CIELab	13.00, 13.65, 2.20
CIElCh	13, 13.827, 9.152
Yxy	1.5625, 0.3993, 0.3078
Android (android.graphics.Color)	4281604639 (0xFF341A1F)
YUV	34.3440, -1.6486, 15.4843
Hunter-Lab	12.5000, 7.0668, 1.6991

Details

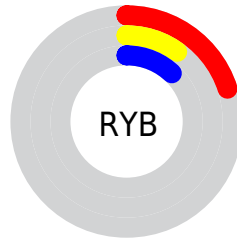
The CIELCh color **13, 13.827, 9.152** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **20, 11.495, 179.811**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 13.867, 8.841**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 16.746, 10.885**, and if you desaturate by 10%, it is **15, 10.905, 7.717**.

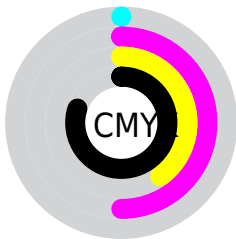
Distribution



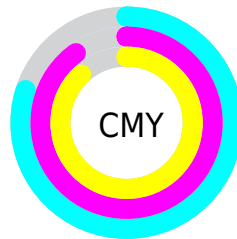
- Red (20%)
- Green (10%)
- Blue (12%)



- Red (20%)
- Yellow (10%)
- Blue (12%)



- Cyan (0%)
- Magenta (50%)
- Yellow (40%)
- Black (80%)



- Cyan (80%)
- Magenta (90%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 13.827, 9.152 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, 13.827, 9.152 by changing the saturation by 10% instead.

 13, 13.827, 9.152  13, 13.827, 9.152

 100, 13.827, 9.152  3, 13.827, 9.152

 33, 13.827, 9.152  0, 13.827, 9.152

 43, 13.827, 9.152

 53, 13.827, 9.152

 63, 13.827, 9.152

 73, 13.827, 9.152

 83, 13.827, 9.152

 93, 13.827, 9.152

 13, 13.827, 9.152  13, 13.827, 9.152

12, 16.746, 10.885

15, 10.905, 7.717

10, 19.594, 12.954

16, 8.035, 6.505

9, 22.184, 14.479

18, 5.252, 5.465

8, 24.655, 14.856

20, 2.575, 4.539

7, 27.144, 14.101

22, 0.016, 351.010

24, 2.427, 183.240

25, 4.754, 182.590

27, 6.972, 182.027

29, 9.088, 181.523

Harmonies

Complementary

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



13, 13.827, 9.152



20, 11.495, 179.811

Rectangle

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



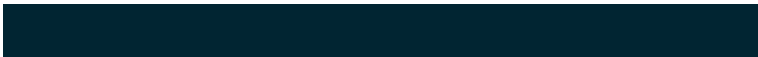
13, 13.827, 9.152



13, 13.827, 59.152



13, 13.827, 189.152



13, 13.827, 239.152

Sweetspot

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



13, 13.826, 9.155



25, 4.776, 5.055



13, 20.467, 320.637



11, 3.190, 5.086



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, 13.826, 9.155



16, 20.569, 11.441



15, 11.551, 49.289



8, 1.388, 4.366



16, 41.767, 25.174



45, 83.080, 30.639

Inverse Universe

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



13, 13.826, 9.155



16, 20.569, 11.441



17, 8.840, 236.447



8, 1.388, 4.366



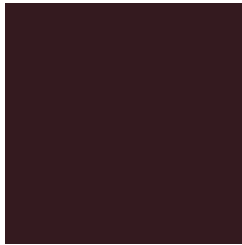
16, 41.767, 25.174



45, 83.080, 30.639

Previews

White Background



This preview shows how the CIELCh color 13, 13.827, 9.152 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

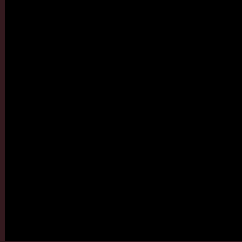
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 13.827, 9.152

Background



This preview shows how black text looks on a background with the CIELCh color 13, 13.827, 9.152.

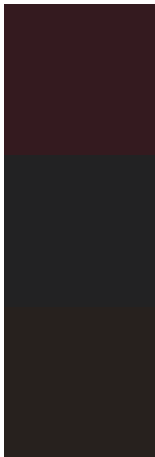


This preview shows how white text looks on a background with the CIELCh color 13, 13.827, 9.152.

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, 13.827, 9.152

Protanopia

13, 0.719, 290.416

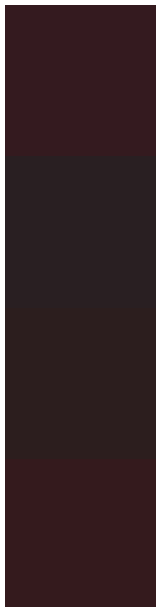
Deuteranopia

13, 3.790, 54.262



Tritanopia
13, 13.862, 17.916

Trichromacy



Original Color

13, 13.827, 9.152

Protanomaly

13, 5.471, 357.908

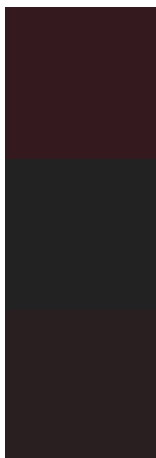
Deuteranomaly

13, 7.343, 21.415

Tritanomaly

13, 13.810, 15.002

Monochromacy



Original Color

13, 13.827, 9.152

Achromatopsia

13, 0.003, 296.813

Achromatomaly

13, 5.274, 5.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 13.827, 9.152 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(52, 26, 31)` looks like.

```
.text, #text, p{  
    color:rgb(52, 26, 31)  
}
```

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(52, 26, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 26, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 13.827, 9.152 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(52, 26, 31) }
```

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

```
.border{ border-color:rgb(52, 26, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 26, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 26, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 26, 31);  
box-shadow:4px 4px 4px 4px rgb(52, 26, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 13.827, 9.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 26, 31) }
```

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

```
.background{ background-color: rgb(52, 26,  
31) }
```

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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