

Converting Colors

CIELCh(17, 13.103, 293.259)

Have a look what the booklet for
CIELCh(17, 13.103, 293.259)
contains.

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Color

CIELCh(17, 13.248, 293.526)

Conversions

Conversions Part 1

Format	Color
Hex	28283B
RGB	40, 40, 59
RGB Percent	16%, 16%, 23%
CMY	0.8424, 0.8424, 0.7679
CMYK	0.32, 0.32, 0.00, 0.77
HSL	240°, 19%, 19%
HSV	240°, 32%, 23%
XYZ	2.4415, 2.3023, 4.4796
YIQ	42.1660, -6.0990, 5.9090

Conversions

Conversions Part 2

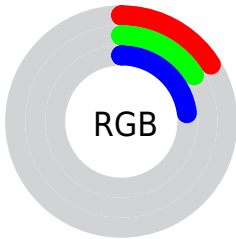
Format	Color
R_{YB}	40, 40, 59
Decimal	2631739
CIE Lab	17.00, 5.29, -12.15
CIE LCh	17, 13.248, 293.526
Yxy	2.3023, 0.2647, 0.2496
Android (android.graphics.Color)	4280821819 (0xFF28283B)
YUV	42.1660, 8.2992, -1.8996
Hunter-Lab	15.1734, 2.1688, -6.8824

Details

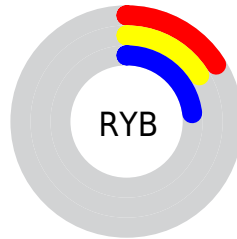
The CIELCh color **17, 13.248, 293.526** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 12.397, 107.513**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 13.018, 293.959**, and **1, 6.483, 287.727** is the 20% darker color. If you saturate the color by 10%, you get **15, 17.696, 294.908**, and if you desaturate by 10%, it is **19, 8.959, 292.320**.

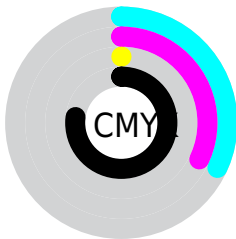
Distribution



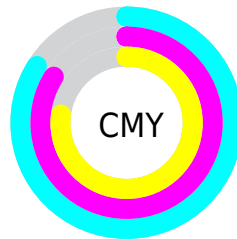
- Red (16%)
- Green (16%)
- Blue (23%)



- Red (16%)
- Yellow (16%)
- Blue (23%)



- Cyan (32%)
- Magenta (32%)
- Yellow (0%)
- Black (77%)



- Cyan (84%)
- Magenta (84%)
- Yellow (77%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 13.248, 293.526 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 17, 13.248, 293.526 by changing the saturation by 10% instead.

■ 17, 13.248,
293.526

■ 17, 13.248,
293.526

■ 100, 13.248,
293.526

■ 7, 13.248, 293.526

■ 37, 13.248,
293.526

■ 0, 13.248, 293.526

■ 47, 13.248,
293.526

■ 57, 13.248,
293.526

■ 67, 13.248,
293.526

■ 77, 13.248,
293.526

■ 87, 13.248,

293.526

97, 13.248,
293.526

17, 13.248,
293.526

17, 13.248,
293.526

15, 17.696,
294.908

19, 8.959, 292.320

12, 22.306,
296.477

22, 4.824, 291.276

24, 0.832, 290.396

10, 27.058,
298.223

27, 3.026, 109.567

7, 31.826, 300.018

29, 6.760, 108.888

6, 35.516, 300.684

32, 10.376,
108.293

4, 38.321, 300.527

■ 3, 40.355, 299.994

■ 34, 13.883,
107.772

■ 37, 17.286,
107.314

■ 39, 20.592,
106.911

Harmonies

Complementary

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



17, 13.248, 293.526



24, 12.397, 107.513

Rectangle

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



17, 13.248, 293.526



17, 13.248, 343.526



17, 13.248, 113.526



17, 13.248, 163.526

Sweetspot

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



17, 13.247, 293.526



29, 4.918, 291.117



23, 7.950, 198.030



13, 3.295, 291.155



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



17, 13.247, 293.526



21, 20.247, 294.711



18, 13.822, 310.404



10, 2.259, 290.934



7, 64.585, 306.250



27, 120.452, 306.288

Inverse Universe

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



19, 15.454, 325.947



24, 23.145, 326.337



24, 13.301, 127.787



10, 2.734, 324.821



21, 55.830, 328.241



53, 104.008, 328.242

Previews

White Background



This preview shows how the CIELCh color 17, 13.248, 293.526 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



This preview shows how the CIELCh color 17, 13.248, 293.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

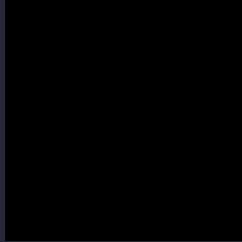
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 13.248, 293.526

Background



This preview shows how black text looks on a background with the CIELCh color 17, 13.248, 293.526.

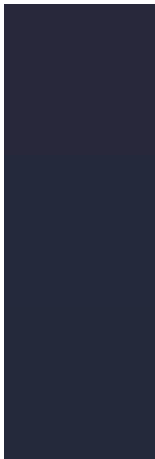


This preview shows how white text looks on a background with the CIELCh color 17, 13.248, 293.526.

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

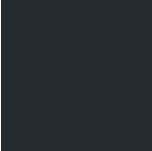
17, 13.248, 293.526

Protanopia

17, 13.305, 285.008

Deuteranopia

17, 12.625, 284.295



Tritanopia
17, 3.376, 237.280

Trichromacy



Original Color
17, 13.248, 293.526

Protanomaly
17, 13.234, 288.312

Deuteranomaly
17, 12.548, 287.813

Tritanomaly
17, 6.450, 276.149

Monochromacy



Original Color
17, 13.248, 293.526

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.882, 291.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 13.248, 293.526 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(40, 40, 59)` looks like.

```
.text, #text, p{  
    color:rgb(40, 40, 59)  
}
```

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(40, 40, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 40, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 13.248, 293.526 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(40, 40, 59) }
```

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

```
.border{ border-color:rgb(40, 40, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 40, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 40, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 40, 59);  
box-shadow:4px 4px 4px 4px rgb(40, 40, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 13.248, 293.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 40, 59) }
```

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

```
.background{ background-color: rgb(40, 40,  
59) }
```

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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