

Converting Colors

CIELCh(13, 18.653, 264.386)

Have a look what the booklet for
CIELCh(13, 18.653, 264.386)
contains.

CIELCh(13, 18.352, 263.571)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(13, 18.352, 263.571)

Conversions

Conversions Part 1

Format	Color
Hex	01243B
RGB	1, 36, 59
RGB Percent	0%, 14%, 23%
CMY	0.9973, 0.8599, 0.7698
CMYK	0.99, 0.39, 0.00, 0.77
HSL	204°, 98%, 12%
HSV	204°, 99%, 23%
XYZ	1.4131, 1.5625, 4.3244
YIQ	28.1570, -28.2430, -0.2670

Conversions

Conversions Part 2

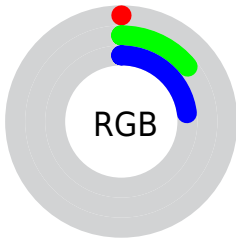
Format	Color
R_{YB}	1, 23, 59
Decimal	74811
CIE _{Lab}	13.00, -2.05, -18.24
CIE _{LCh}	13, 18.352, 263.571
Yxy	1.5625, 0.1936, 0.2140
Android (android.graphics.Color)	4278264891 (0xFF01243B)
YUV	28.1570, 15.2056, -23.8167
Hunter-Lab	12.5000, -1.6964, -11.7613

Details

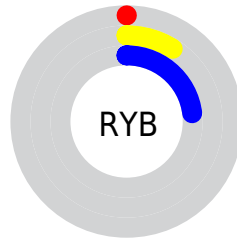
The CIELCh color **13, 18.352, 263.571** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 24.851, 51.322**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 18.191, 263.875**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **13, 18.552, 263.855**, and if you desaturate by 10%, it is **14, 16.720, 260.885**.

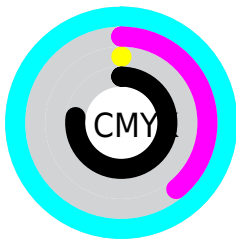
Distribution



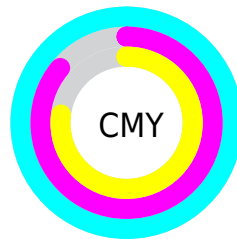
- Red (0%)
- Green (14%)
- Blue (23%)



- Red (0%)
- Yellow (9%)
- Blue (23%)



- Cyan (99%)
- Magenta (39%)
- Yellow (0%)
- Black (77%)



- Cyan (100%)
- Magenta (86%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 18.352, 263.571 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, 18.352, 263.571 by changing the saturation by 10% instead.

■ 13, 18.352,
263.571

■ 13, 18.352,
263.571

■ 100, 18.352,
263.571

■ 3, 18.352, 263.571

■ 33, 18.352,
263.571

■ 0, 18.352, 263.571

■ 43, 18.352,
263.571


■ 53, 18.352,
263.571


■ 63, 18.352,
263.571


■ 73, 18.352,
263.571


■ 83, 18.352,


263.571


 93, 18.352,
263.571


 13, 18.352,
263.571


 13, 18.352,
263.571


 13, 18.552,
263.855

 14, 16.720,
260.885

 15, 15.169,
257.659

 16, 13.562,
254.687

 17, 11.855,
252.144

 19, 10.045,
249.989

■ 20, 8.136, 248.173

■ 21, 6.139, 246.648

■ 22, 4.065, 245.373

■ 24, 1.928, 244.335

Harmonies

Complementary

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



13, 18.352, 263.571



13, 24.851, 51.322

Rectangle

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



13, 18.352, 263.571



13, 18.352, 313.571



13, 18.352, 83.571



13, 18.352, 133.571

Sweetspot

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



13, 18.352, 263.572



28, 7.941, 247.019



21, 32.095, 147.547



12, 5.308, 247.200



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



13, 18.352, 263.572



18, 22.785, 266.460



4, 36.445, 297.850



11, 1.258, 244.307



23, 26.873, 268.140



54, 53.122, 272.457

Inverse Universe

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



9, 31.257, 348.125



14, 37.283, 349.552



21, 29.885, 96.272



10, 2.068, 338.944



19, 42.814, 350.445



49, 78.637, 352.965

Previews

White Background



This preview shows how the CIELCh color 13, 18.352, 263.571 looks on a white background.

Color Contrast Check

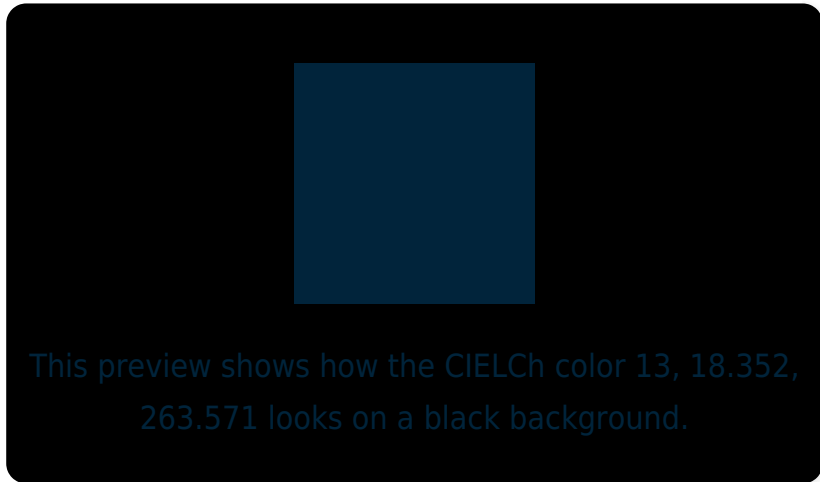
Large Text (above 18pt) WCAG AA ✓ Pass

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

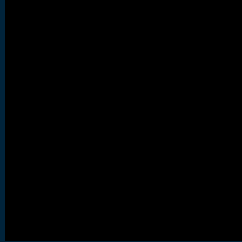
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 18.352, 263.571

Background



This preview shows how black text looks on a background with the CIELCh color 13, 18.352, 263.571.



This preview shows how white text looks on a background with the CIELCh color 13, 18.352, 263.571.

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, 18.352, 263.571

Protanopia

14, 16.605, 283.445

Deuteranopia

13, 17.839, 274.925



Tritanopia
13, 13.042, 206.247

Trichromacy



Original Color
13, 18.352, 263.571

Protanomaly
13, 17.201, 273.700

Deuteranomaly
13, 18.232, 271.015

Tritanomaly
13, 13.303, 230.385

Monochromacy



Original Color
13, 18.352, 263.571

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 7.751, 247.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 18.352, 263.571 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(1, 36, 59)` looks like.

```
.text, #text, p{  
    color:rgb(1, 36, 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(1, 36, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 36, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 18.352, 263.571 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(1, 36, 59) }
```

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

```
.border{ border-color:rgb(1, 36, 59) }
```

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

Here you see how a box with a 4 pixel rgb(1, 36, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 36, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 36, 59); box-shadow:4px  
4px 4px 4px rgb(1, 36, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 18.352, 263.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 36, 59) }
```

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

```
.background{ background-color: rgb(1, 36,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor