

Converting Colors

CIELCh(15, 33.624, 326.949)

Have a look what the booklet for
CIELCh(15, 33.624, 326.949)
contains.

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Color

CIELCh(15, 33.867, 326.803)

Conversions

Conversions Part 1

Format	Color
Hex	3F1340
RGB	63, 19, 64
RGB Percent	25%, 7%, 25%
CMY	0.7521, 0.9247, 0.7482
CMYK	0.02, 0.70, 0.00, 0.75
HSL	299°, 54%, 16%
HSV	299°, 70%, 25%
XYZ	3.2304, 1.9086, 5.0782
YIQ	37.2860, 11.7790, 23.3230

Conversions

Conversions Part 2

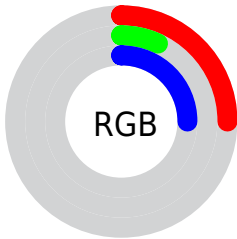
Format	Color
R _{YB}	63, 19, 64
Decimal	4133696
CIE Lab	15.00, 28.34, -18.54
CIE LCh	15, 33.867, 326.803
Yxy	1.9086, 0.3162, 0.1868
Android (android.graphics.Color)	4282323776 (0xFF3F1340)
YUV	37.2860, 13.1700, 22.5512
Hunter-Lab	13.8151, 17.5620, -12.1232

Details

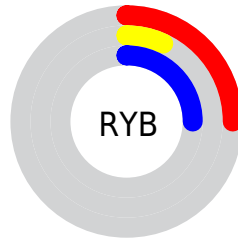
The CIELCh color **15, 33.867, 326.803** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 34.178, 138.708**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 33.966, 326.562**, and **1, 10.078, 298.084** is the 20% darker color. If you saturate the color by 10%, you get **14, 37.287, 327.059**, and if you desaturate by 10%, it is **16, 29.817, 326.481**.

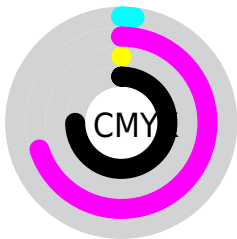
Distribution



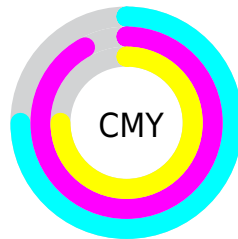
- Red (25%)
- Green (7%)
- Blue (25%)



- Red (25%)
- Yellow (7%)
- Blue (25%)



- Cyan (2%)
- Magenta (70%)
- Yellow (0%)
- Black (75%)



- Cyan (75%)
- Magenta (92%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 33.867, 326.803 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 15, 33.867, 326.803 by changing the saturation by 10% instead.

■ 15, 33.867,
326.803

■ 15, 33.867,
326.803

■ 100, 33.867,
326.803

■ 5, 33.867, 326.803

■ 35, 33.867,
326.803

■ 0, 33.867, 326.803

■ 45, 33.867,
326.803


■ 55, 33.867,
326.803


■ 65, 33.867,
326.803


■ 75, 33.867,
326.803


■ 85, 33.867,


326.803


 95, 33.867,
326.803


 15, 33.867,
326.803

 15, 33.867,
326.803

 14, 37.287,
327.059


 16, 29.817,
326.481


 13, 40.116,
327.256

 18, 25.294,
326.105

 12, 43.056,
327.464

 19, 20.448,
325.688

 21, 15.408,
325.243

 23, 10.279,
324.780

■ 25, 5.140, 324.302

■ 27, 0.047, 321.448

■ 29, 4.962, 143.427

■ 31, 9.864, 142.972

Harmonies

Complementary

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



15, 33.867, 326.803



23, 34.178, 138.708

Rectangle

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



15, 33.867, 326.803



15, 33.867, 16.803



15, 33.867, 146.803



15, 33.867, 196.803

Sweetspot

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



15, 33.866, 326.803



31, 13.468, 324.866



9, 31.950, 298.789



14, 9.198, 324.917



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



15, 33.866, 326.803



19, 47.247, 327.204



14, 25.273, 348.771



12, 2.910, 324.227



21, 56.940, 327.415



52, 105.029, 327.352

Inverse Universe

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



13, 24.524, 26.210



17, 37.118, 30.785



24, 24.278, 155.006



12, 1.688, 17.979



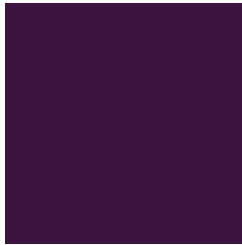
18, 47.858, 34.394



47, 94.028, 39.291

Previews

White Background



This preview shows how the CIELCh color 15, 33.867, 326.803 looks on a white background.

Color Contrast Check

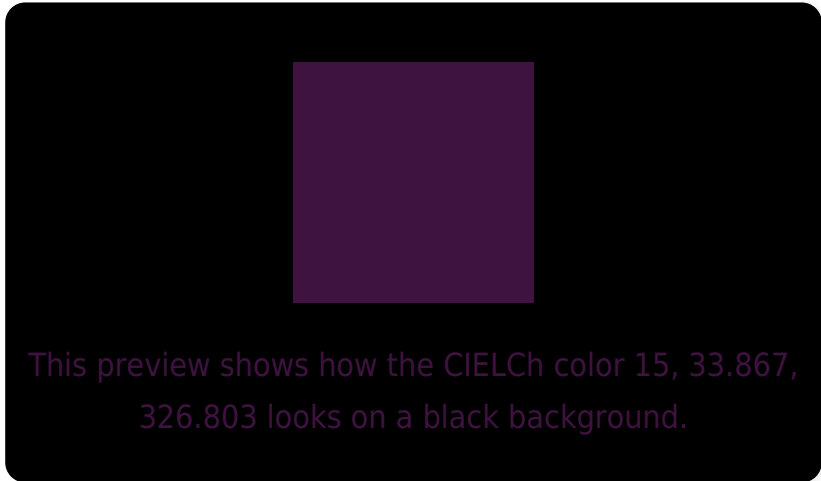
Large Text (above 18pt) WCAG AA ✓ Pass

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

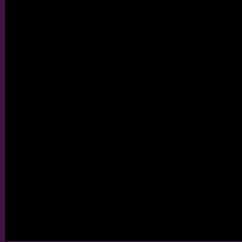
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 33.867, 326.803

Background



This preview shows how black text looks on a background with the CIELCh color 15, 33.867, 326.803.



This preview shows how white text looks on a background with the CIELCh color 15, 33.867, 326.803.

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

15, 33.867, 326.803

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 15.771, 279.492



Tritanopia
15, 15.184, 18.581

Trichromacy



Original Color
15, 33.867, 326.803

Protanomaly
14, 30.552, 293.908

Deuteranomaly
15, 21.579, 304.874

Tritanomaly
15, 20.185, 348.110

Monochromacy



Original Color
15, 33.867, 326.803

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 13.490, 325.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 33.867, 326.803 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(63, 19, 64)` looks like.

```
.text, #text, p{  
    color:rgb(63, 19, 64)  
}
```

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(63, 19, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 19, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 33.867, 326.803 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(63, 19, 64) }
```

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

```
.border{ border-color:rgb(63, 19, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 19, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 19, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 19, 64);  
box-shadow:4px 4px 4px 4px rgb(63, 19, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 33.867, 326.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 19, 64) }
```

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

```
.background{ background-color: rgb(63, 19,  
64) }
```

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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