

Converting Colors

CIELCh(15, 33.464, 327.462)

Have a look what the booklet for
CIELCh(15, 33.464, 327.462)
contains.

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Color

CIELCh(15, 33.363, 327.477)

Conversions

Conversions Part 1

Format	Color
Hex	3F133F
RGB	63, 19, 63
RGB Percent	25%, 7%, 25%
CMY	0.7516, 0.9241, 0.7516
CMYK	0.00, 0.69, 0.00, 0.75
HSL	300°, 53%, 16%
HSV	300°, 69%, 25%
XYZ	3.2179, 1.9086, 4.9511
YIQ	37.1720, 12.1000, 23.0120

Conversions

Conversions Part 2

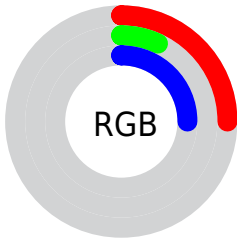
Format	Color
RYB	63, 19, 63
Decimal	4133695
CIELab	15.00, 28.13, -17.94
CIElCh	15, 33.363, 327.477
Yxy	1.9086, 0.3193, 0.1894
Android (android.graphics.Color)	4282323775 (0xFF3F133F)
YUV	37.1720, 12.7332, 22.6512
Hunter-Lab	13.8151, 17.4008, -11.5778

Details

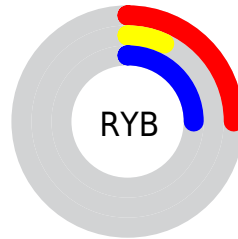
The CIELCh color **15, 33.363, 327.477** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 33.737, 139.159**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 33.489, 327.166**, and **1, 9.416, 298.644** is the 20% darker color. If you saturate the color by 10%, you get **14, 36.770, 327.764**, and if you desaturate by 10%, it is **16, 29.335, 327.131**.

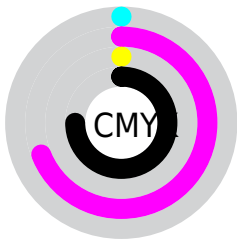
Distribution



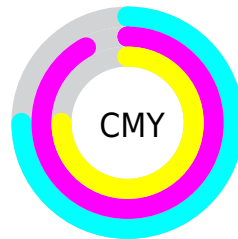
- Red (25%)
- Green (7%)
- Blue (25%)



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



- Cyan (0%)
- Magenta (69%)
- Yellow (0%)
- Black (75%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 33.363, 327.477 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, 33.363, 327.477 by changing the saturation by 10% instead.

 15, 33.363,
327.477


 15, 33.363,
327.477


 100, 33.363,
327.477

 5, 33.363, 327.477


 35, 33.363,
327.477

 0, 33.363, 327.477

 45, 33.363,
327.477


 55, 33.363,
327.477


 65, 33.363,
327.477


 75, 33.363,
327.477


 85, 33.363,


327.477


 95, 33.363,
327.477


 15, 33.363,
327.477


 15, 33.363,
327.477


 14, 36.770,
327.764


 16, 29.335,
327.131


 13, 39.571,
327.996

 18, 24.840,
326.736

 12, 42.475,
328.231

 19, 20.023,
326.304

 12, 42.638,
328.244

 21, 15.012,
325.845

 23, 9.911, 325.369

■ 25, 4.799, 324.879

■ 27, 0.267, 144.854

■ 29, 5.250, 143.980

■ 31, 10.125,
143.514

Harmonies

Complementary

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



15, 33.363, 327.477



23, 33.737, 139.159

Rectangle

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



15, 33.363, 327.477



15, 33.363, 17.477



15, 33.363, 147.477



15, 33.363, 197.477

Sweetspot

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



15, 33.362, 327.477



30, 13.211, 325.486



9, 32.432, 299.758



13, 8.790, 325.526



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



15, 33.362, 327.477



19, 45.877, 327.926



14, 24.429, 350.797



10, 2.734, 324.824



21, 55.826, 328.245



53, 103.999, 328.246

Inverse Universe

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



15, 33.362, 327.477



19, 45.877, 327.926



23, 23.140, 156.778



10, 2.734, 324.824



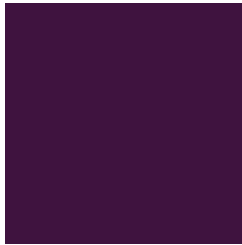
21, 55.826, 328.245



53, 103.999, 328.246

Previews

White Background



This preview shows how the CIE LCh color 15, 33.363, 327.477 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 CIE LCh color 15, 33.363, 327.477 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 15, 33.363, 327.477

Background



This preview shows how black text looks on a background with the CIELCh color 15, 33.363, 327.477.



This preview shows how white text looks on a background with the CIELCh color 15, 33.363, 327.477.

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, 33.363, 327.477

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 15.110, 278.496



Tritanopia
15, 15.706, 18.914

Trichromacy



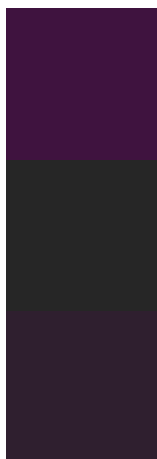
Original Color
15, 33.363, 327.477

Protanomaly
14, 30.552, 293.908

Deuteranomaly
15, 20.903, 305.122

Tritanomaly
15, 19.889, 349.870

Monochromacy



Original Color
15, 33.363, 327.477

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, 33.363, 327.477 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, 63)` looks like.

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

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, 63) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 15, 33.363, 327.477 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, 63) }
```

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

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

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, 63)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 15, 33.363, 327.477 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, 63) }
```

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

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

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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