

Converting Colors

CIELCh(15, 23.341, 337.113)

Have a look what the booklet for
CIELCh(15, 23.341, 337.113)
contains.

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Color

CIELCh(15, 23.481, 337.272)

Conversions

Conversions Part 1

Format	Color
Hex	3D1933
RGB	61, 25, 51
RGB Percent	24%, 10%, 20%
CMY	0.7617, 0.9028, 0.8008
CMYK	0.00, 0.59, 0.16, 0.76
HSL	317°, 42%, 17%
HSV	317°, 59%, 24%
XYZ	2.8468, 1.9086, 3.3261
YIQ	38.7280, 13.1100, 15.7180

Conversions

Conversions Part 2

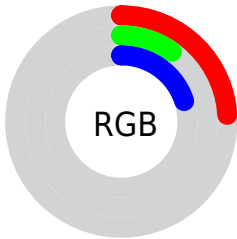
Format	Color
RYB	61, 25, 51
Decimal	4004147
CIELab	15.00, 21.66, -9.07
CIELCh	15, 23.481, 337.272
Yxy	1.9086, 0.3523, 0.2362
Android (android.graphics.Color)	4282194227 (0xFF3D1933)
YUV	38.7280, 6.0501, 19.5325
Hunter-Lab	13.8151, 12.6062, -4.6039




Details

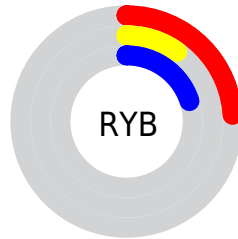
The CIELCh color **15, 23.481, 337.272** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 23.387, 148.553**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 23.384, 337.926**, and **0, 0.856, 309.066** is the 20% darker color. If you saturate the color by 10%, you get **14, 26.762, 338.087**, and if you desaturate by 10%, it is **17, 19.820, 336.519**.

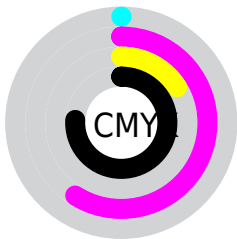
Distribution







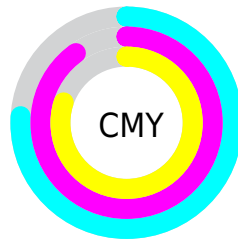
-  Red (24%)
-  Green (10%)
-  Blue (20%)






-  Red (24%)
-  Yellow (10%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (59%)
-  Yellow (16%)
-  Black (76%)



-  Cyan (76%)
-  Magenta (90%)
-  Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 23.481, 337.272 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, 23.481, 337.272 by changing the saturation by 10% instead.

■ 15, 23.481,
337.272

■ 15, 23.481,
337.272

■ 100, 23.481,
337.272

■ 5, 23.481, 337.272

■ 35, 23.481,
337.272

■ 0, 23.481, 337.272

■ 45, 23.481,
337.272


■ 55, 23.481,
337.272


■ 65, 23.481,
337.272


■ 75, 23.481,
337.272


■ 85, 23.481,


337.272


 95, 23.481,
337.272


 15, 23.481,
337.272


 15, 23.481,
337.272


 14, 26.762,
338.087


 17, 19.820,
336.519

 12, 29.520,
338.984


 18, 15.917,
335.813


 11, 31.778,
339.950


 20, 11.880,
335.144

 10, 34.250,
340.803

 22, 7.792, 334.506

 10, 34.461,
340.866

 24, 3.713, 333.885

 26, 0.315, 153.806

■ 28, 4.266, 152.840

■ 30, 8.124, 152.305

■ 32, 11.883,
151.806

Harmonies

Complementary

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



15, 23.481, 337.272



22, 23.387, 148.553

Rectangle

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



15, 23.481, 337.272



15, 23.481, 27.272



15, 23.481, 157.272



15, 23.481, 207.272

Sweetspot

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



15, 23.480, 337.272



29, 9.091, 334.482



12, 26.260, 304.767



13, 6.379, 334.566



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, 23.480, 337.272



19, 33.611, 338.525



14, 18.887, 7.964



10, 2.251, 333.837



19, 45.803, 342.035



50, 84.133, 343.495

Inverse Universe

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



15, 23.480, 337.272



19, 33.611, 338.525



23, 15.487, 175.401



10, 2.251, 333.837



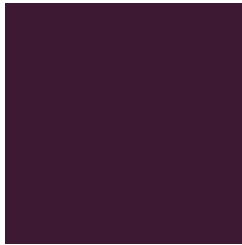
19, 45.803, 342.035



50, 84.133, 343.495

Previews

White Background



This preview shows how the CIE LCh color 15, 23.481, 337.272 looks on a white background.

Color Contrast Check

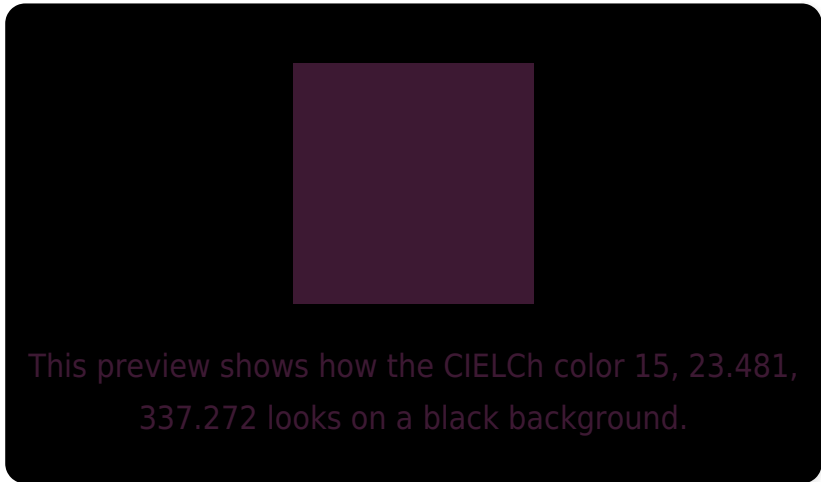
Large Text (above 18pt) WCAG AA ✓ Pass

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

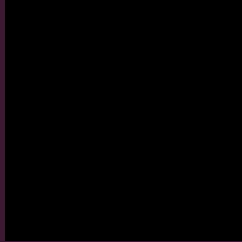
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 23.481, 337.272

Background



This preview shows how black text looks on a background with the CIELCh color 15, 23.481, 337.272.



This preview shows how white text looks on a background with the CIELCh color 15, 23.481, 337.272.

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, 23.481, 337.272

Protanopia

15, 16.320, 283.997

Deuteranopia

15, 7.754, 289.030



Tritanopia
15, 15.184, 18.581

Trichromacy



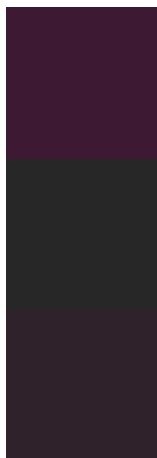
Original Color
15, 23.481, 337.272

Protanomaly
15, 17.387, 305.427

Deuteranomaly
15, 13.380, 318.974

Tritanomaly
15, 17.226, 358.758

Monochromacy



Original Color
15, 23.481, 337.272

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 8.871, 336.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 23.481, 337.272 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(61, 25, 51)` looks like.

```
.text, #text, p{  
    color:rgb(61, 25, 51)  
}
```

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(61, 25, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 25, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 23.481, 337.272 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(61, 25, 51) }
```

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

```
.border{ border-color:rgb(61, 25, 51) }
```

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

Here you see how a box with a 4 pixel rgb(61, 25, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 25, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 25, 51);  
box-shadow:4px 4px 4px 4px rgb(61, 25, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 23.481, 337.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 25, 51) }
```

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

```
.background{ background-color: rgb(61, 25,  
51) }
```

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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