

Converting Colors

CIELCh(15, 24.089, 346.270)

Have a look what the booklet for
CIELCh(15, 24.089, 346.270)
contains.

CIELCh(15, 23.749, 346.237)	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(15, 23.749, 346.237)

Conversions

Conversions Part 1

Format	Color
Hex	40172E
RGB	64, 23, 46
RGB Percent	25%, 9%, 18%
CMY	0.7486, 0.9094, 0.8192
CMYK	0.00, 0.64, 0.28, 0.75
HSL	326°, 47%, 17%
HSV	326°, 64%, 25%
XYZ	2.9251, 1.9086, 2.8093
YIQ	37.8810, 17.0530, 15.8450

Conversions

Conversions Part 2

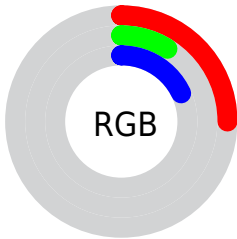
Format	Color
R _Y B	64, 23, 46
Decimal	4200238
CIE Lab	15.00, 23.07, -5.65
CIE LCh	15, 23.749, 346.237
Yxy	1.9086, 0.3827, 0.2497
Android (android.graphics.Color)	4282390318 (0xFF40172E)
YUV	37.8810, 4.0027, 22.9064
Hunter-Lab	13.8151, 13.6170, -2.3859

Details

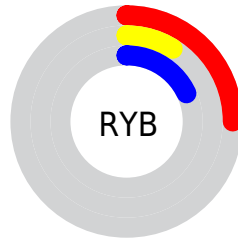
The CIELCh color **15, 23.749, 346.237** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 22.953, 154.540**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 23.881, 345.442**, and **0, 0.832, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 26.686, 347.624**, and if you desaturate by 10%, it is **17, 20.388, 345.048**.

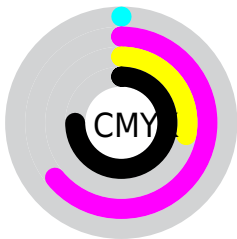
Distribution



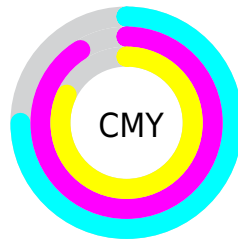
- Red (25%)
- Green (9%)
- Blue (18%)



- Red (25%)
- Yellow (9%)
- Blue (18%)



- Cyan (0%)
- Magenta (64%)
- Yellow (28%)
- Black (75%)





- Cyan (75%)
- Magenta (91%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 23.749, 346.237 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, 23.749, 346.237 by changing the saturation by 10% instead.

 15, 23.749,
346.237


 15, 23.749,
346.237


 100, 23.749,
346.237


 5, 23.749, 346.237


 35, 23.749,
346.237

 0, 23.749, 346.237

 45, 23.749,
346.237


 55, 23.749,
346.237


 65, 23.749,
346.237


 75, 23.749,
346.237


 85, 23.749,


346.237


 95, 23.749,
346.237


 15, 23.749,
346.237


 15, 23.749,
346.237


 14, 26.686,
347.624


 17, 20.388,
345.048


 12, 29.052,
349.275

 18, 16.753,
344.007

 11, 31.209,
350.966

 20, 12.964,
343.078

 11, 32.685,
351.848

 22, 9.115, 342.235

 24, 5.273, 341.456

 26, 1.483, 340.667

■ 28, 2.226, 160.205

■ 31, 5.840, 159.547

■ 33, 9.350, 158.966

Harmonies

Complementary

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



15, 23.749, 346.237



24, 22.953, 154.540

Rectangle

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



15, 23.749, 346.237



15, 23.749, 36.237



15, 23.749, 166.237



15, 23.749, 216.237

Sweetspot

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



15, 23.748, 346.238



31, 9.040, 341.908



12, 29.914, 309.936



14, 6.282, 342.013



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, 23.748, 346.238



19, 33.963, 348.658



14, 21.825, 21.712



12, 2.150, 341.047



19, 42.784, 354.009



49, 77.987, 356.859

Inverse Universe

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



15, 23.748, 346.238



19, 33.963, 348.658



24, 15.232, 189.992



12, 2.150, 341.047



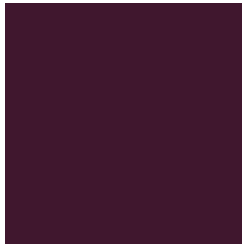
19, 42.784, 354.009



49, 77.987, 356.859

Previews

White Background



This preview shows how the CIELCh color 15, 23.749, 346.237 looks on a white background.

Color Contrast Check

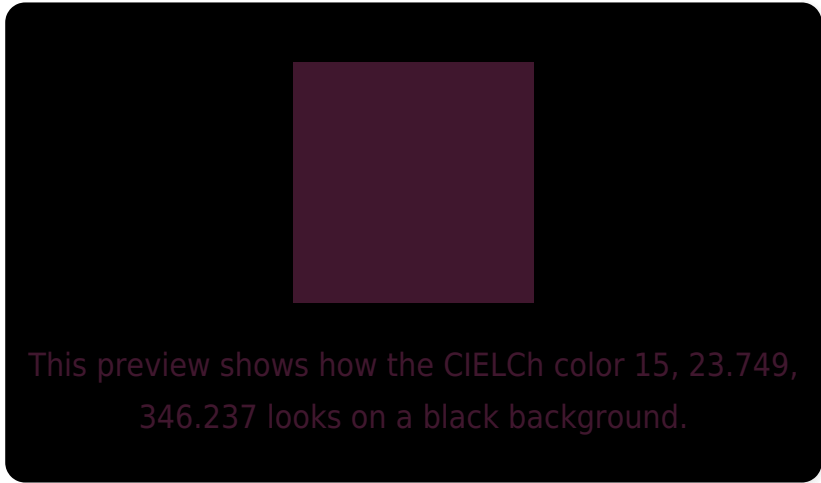
Large Text (above 18pt) WCAG AA ✓ Pass

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

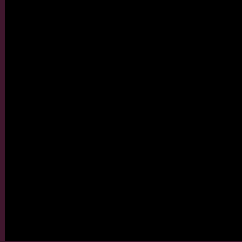
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 23.749, 346.237

Background



This preview shows how black text looks on a background with the CIELCh color 15, 23.749, 346.237.



This preview shows how white text looks on a background with the CIELCh color 15, 23.749, 346.237.

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, 23.749, 346.237

Protanopia

16, 13.446, 285.290

Deuteranopia

16, 4.343, 303.668



Tritanopia
15, 19.044, 21.079

Trichromacy



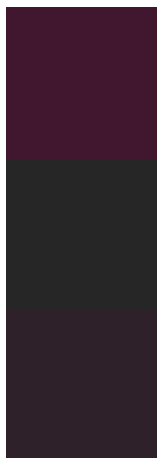
Original Color
15, 23.749, 346.237

Protanomaly
15, 14.987, 312.266

Deuteranomaly
15, 11.295, 334.164

Tritanomaly
15, 19.325, 7.196

Monochromacy



Original Color
15, 23.749, 346.237

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 8.806, 342.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 23.749, 346.237 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(64, 23, 46)` looks like.

```
.text, #text, p{  
    color:rgb(64, 23, 46)  
}
```

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(64, 23, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 23, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 23.749, 346.237 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(64, 23, 46) }
```

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

```
.border{ border-color:rgb(64, 23, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 23, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 23, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 23, 46);  
box-shadow:4px 4px 4px 4px rgb(64, 23, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 23.749, 346.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 23, 46) }
```

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

```
.background{ background-color: rgb(64, 23,  
46) }
```

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