

Converting Colors

CIELCh(15, 13.323, 303.778)

Have a look what the booklet for
CIELCh(15, 13.323, 303.778)
contains.

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Color

CIELCh(15, 12.967, 302.980)

Conversions

Conversions Part 1

Format	Color
Hex	282335
RGB	40, 35, 53
RGB Percent	16%, 14%, 21%
CMY	0.8432, 0.8628, 0.7922
CMYK	0.25, 0.34, 0.00, 0.79
HSL	257°, 20%, 17%
HSV	257°, 34%, 21%
XYZ	2.1170, 1.9086, 3.6226
YIQ	38.5470, -2.7980, 6.6580

Conversions

Conversions Part 2

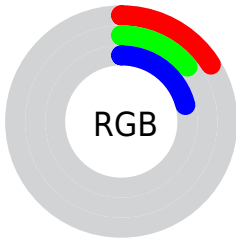
Format	Color
RYB	40, 35, 53
Decimal	2630453
CIELab	15.00, 7.06, -10.88
CIELCh	15, 12.967, 302.980
Yxy	1.9086, 0.2768, 0.2495
Android (android.graphics.Color)	4280820533 (0xFF282335)
YUV	38.5470, 7.1253, 1.2743
Hunter-Lab	13.8151, 3.1762, -5.8766

Details

The CIELCh color **15, 12.967, 302.980** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 12.227, 119.242**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 13.398, 302.545**, and **0, 2.420, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **13, 17.027, 303.718**, and if you desaturate by 10%, it is **17, 9.013, 302.307**.

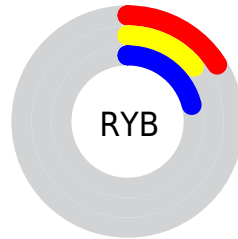
Distribution



Red (16%)

Green (14%)

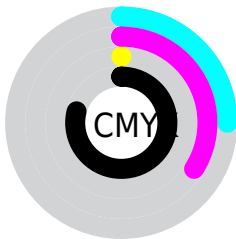
Blue (21%)



Red (16%)

Yellow (14%)

Blue (21%)

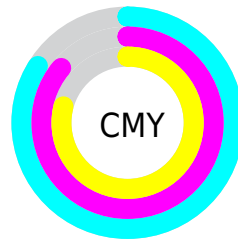


Cyan (25%)

Magenta (34%)

Yellow (0%)

Black (79%)



Cyan (84%)

Magenta (86%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 12.967, 302.980 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, 12.967, 302.980 by changing the saturation by 10% instead.

■ 15, 12.967,
302.980

■ 15, 12.967,
302.980

■ 100, 12.967,
302.980

■ 5, 12.967, 302.980

■ 35, 12.967,
302.980

■ 0, 12.967, 302.980

■ 45, 12.967,
302.980


■ 55, 12.967,
302.980


■ 65, 12.967,
302.980


■ 75, 12.967,
302.980


■ 85, 12.967,

302.980


 95, 12.967,
302.980

 15, 12.967,
302.980

 15, 12.967,
302.980

 13, 17.027,
303.718

 17, 9.013, 302.307

 11, 21.174,
304.513

 19, 5.175, 301.700

 21, 1.451, 301.150

 9, 25.369, 305.347

 23, 2.160, 120.687


 7, 29.334, 305.939

 25, 5.663, 120.256

 5, 32.230, 305.531

 28, 9.062, 119.878

 4, 34.682, 304.801

 30, 12.363,

■ 3, 36.063, 304.303

119.546

■ 32, 15.571,
119.253

■ 34, 18.691,
118.996

Harmonies

Complementary

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



15, 12.967, 302.980



21, 12.227, 119.242

Rectangle

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



15, 12.967, 302.980



15, 12.967, 352.980



15, 12.967, 122.980



15, 12.967, 172.980

Sweetspot

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



15, 12.966, 302.980



27, 4.589, 301.504



19, 6.373, 229.766



12, 3.165, 301.525



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



15, 12.966, 302.980



18, 19.748, 303.649



16, 14.045, 319.049



8, 1.963, 301.335



8, 60.069, 308.715



29, 115.430, 307.960

Inverse Universe

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



16, 12.311, 335.408



21, 18.445, 336.010



20, 13.826, 136.361



8, 1.921, 333.814



18, 44.122, 341.919



48, 82.683, 343.484

Previews

White Background



This preview shows how the CIELCh color 15, 12.967, 302.980 looks on a white background.

Color Contrast Check

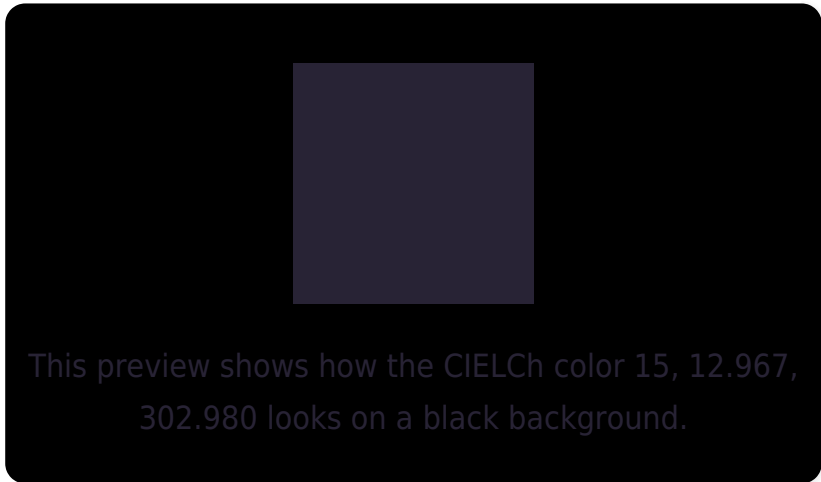
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.967, 302.980

Background



This preview shows how black text looks on a background with the CIELCh color 15, 12.967, 302.980.

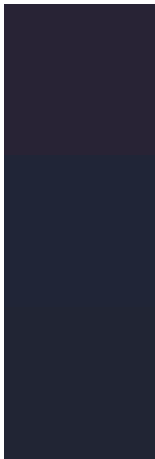


This preview shows how white text looks on a background with the CIELCh color 15, 12.967, 302.980.

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

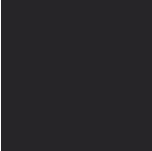
15, 12.967, 302.980

Protanopia

15, 12.806, 284.668

Deuteranopia

15, 10.685, 284.161



Tritanopia
15, 2.185, 303.364

Trichromacy



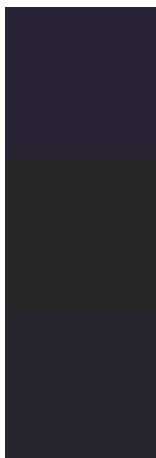
Original Color
15, 12.967, 302.980

Protanomaly
15, 12.744, 291.774

Deuteranomaly
15, 11.337, 293.245

Tritanomaly
15, 6.550, 303.998

Monochromacy



Original Color
15, 12.967, 302.980

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 4.263, 297.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 12.967, 302.980 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(40, 35, 53)` looks like.

```
.text, #text, p{  
    color:rgb(40, 35, 53)  
}
```

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(40, 35, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 35, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 12.967, 302.980 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(40, 35, 53) }
```

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

```
.border{ border-color:rgb(40, 35, 53) }
```

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

Here you see how a box with a 4 pixel rgb(40, 35, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 35, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 35, 53);  
box-shadow:4px 4px 4px 4px rgb(40, 35, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 12.967, 302.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 35, 53) }
```

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

```
.background{ background-color: rgb(40, 35,  
53) }
```

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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