

Converting Colors

CIELCh(15, 10.276, 237.711)

Have a look what the booklet for
CIELCh(15, 10.276, 237.711)
contains.

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Color

CIELCh(15, 10.533, 240.711)

Conversions

Conversions Part 1

Format	Color
Hex	122832
RGB	18, 40, 50
RGB Percent	7%, 16%, 20%
CMY	0.9279, 0.8417, 0.8024
CMYK	0.63, 0.20, 0.00, 0.80
HSL	199°, 47%, 13%
HSV	199°, 63%, 20%
XYZ	1.6122, 1.9086, 3.3444
YIQ	34.5620, -16.3220, -1.5540

Conversions

Conversions Part 2

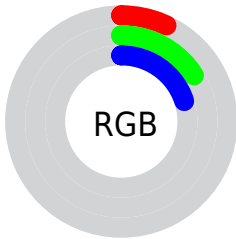
Format	Color
R_YB	18, 31, 50
Decimal	1189938
CIE Lab	15.00, -5.15, -9.19
CIE LCh	15, 10.533, 240.711
Yxy	1.9086, 0.2348, 0.2780
Android (android.graphics.Color)	4279380018 (0xFF122832)
YUV	34.5620, 7.6109, -14.5249
Hunter-Lab	13.8151, -3.3463, -4.6824

Details

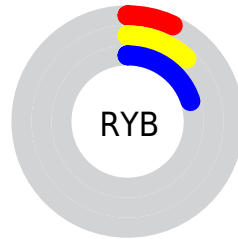
The CIELCh color **15, 10.533, 240.711** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 14.706, 49.851**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 10.555, 239.443**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **14, 11.772, 242.943**, and if you desaturate by 10%, it is **16, 9.159, 238.851**.

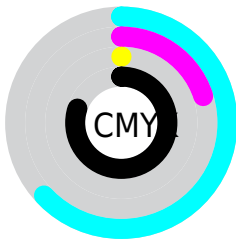
Distribution



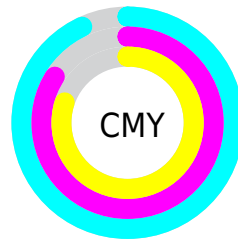
- Red (7%)
- Green (16%)
- Blue (20%)



- Red (7%)
- Yellow (12%)
- Blue (20%)



- Cyan (63%)
- Magenta (20%)
- Yellow (0%)
- Black (80%)



- Cyan (93%)
- Magenta (84%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 10.533, 240.711 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, 10.533, 240.711 by changing the saturation by 10% instead.

■ 15, 10.533,
240.711

■ 15, 10.533,
240.711

■ 100, 10.533,
240.711

■ 5, 10.533, 240.711

■ 35, 10.533,
240.711

■ 0, 10.533, 240.711

■ 45, 10.533,
240.711


■ 55, 10.533,
240.711


■ 65, 10.533,
240.711


■ 75, 10.533,
240.711


■ 85, 10.533,

240.711


 95, 10.533,
240.711

 15, 10.533,
240.711


 15, 10.533,
240.711

 14, 11.772,
242.943


 16, 9.159, 238.851

 13, 12.885,
245.542

 17, 7.658, 237.313

 13, 14.028,
247.801

 18, 6.044, 236.046

 12, 14.812,
249.001

 19, 4.330, 235.009

 20, 2.533, 234.177

 21, 0.666, 233.676

 22, 1.257, 52.651

■ 23, 3.224, 52.259

■ 24, 5.226, 51.882

Harmonies

Complementary

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



15, 10.533, 240.711



13, 14.706, 49.851

Rectangle

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



15, 10.533, 240.711



15, 10.533, 290.711



15, 10.533, 60.711



15, 10.533, 110.711

Sweetspot

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



15, 10.533, 240.710



26, 4.440, 234.700



18, 20.990, 149.159



11, 2.986, 234.754



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



15, 10.533, 240.710



19, 14.946, 244.675



9, 18.989, 289.492



8, 1.058, 233.833



24, 22.453, 254.430



58, 44.490, 259.101

Inverse Universe

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



11, 20.933, 339.097



14, 30.039, 340.632



18, 17.540, 94.071



8, 1.873, 335.243



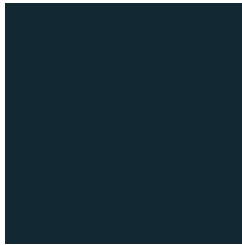
18, 43.162, 344.230



48, 80.823, 346.107

Previews

White Background



This preview shows how the CIE LCh color 15, 10.533, 240.711 looks on a white background.

Color Contrast Check

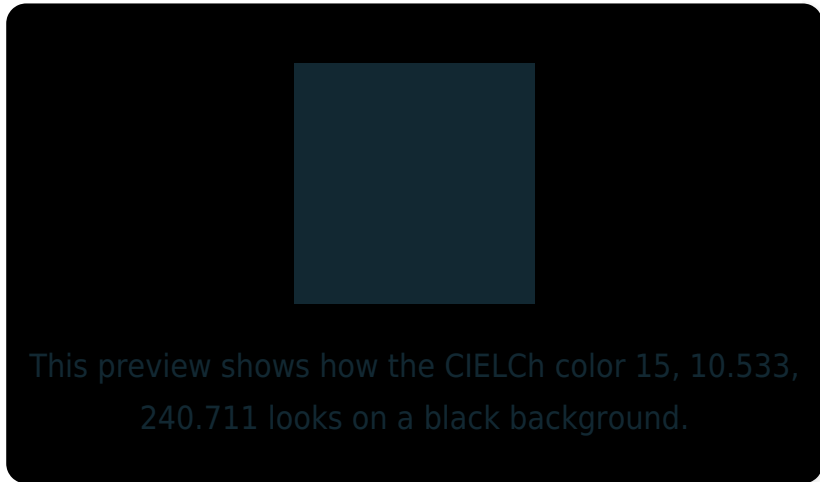
Large Text (above 18pt) WCAG AA ✓ Pass

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

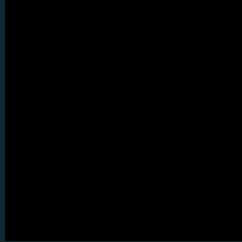
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

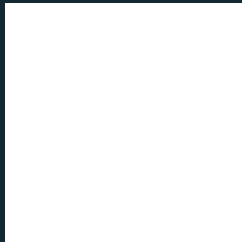
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 10.533, 240.711

Background



This preview shows how black text looks on a background with the CIELCh color 15, 10.533, 240.711.



This preview shows how white text looks on a background with the CIELCh color 15, 10.533, 240.711.

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, 10.533, 240.711

Protanopia
15, 7.811, 285.908

Deuteranopia
15, 9.945, 285.587



Tritanopia
15, 9.931, 214.182

Trichromacy



Original Color
15, 10.533, 240.711

Protanomaly
15, 8.493, 266.216

Deuteranomaly
15, 9.878, 268.576

Tritanomaly
15, 9.907, 223.249

Monochromacy



Original Color
15, 10.533, 240.711

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 4.507, 238.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 10.533, 240.711 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(18, 40, 50)` looks like.

```
.text, #text, p{  
    color:rgb(18, 40, 50)  
}
```

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(18, 40, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 40, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 10.533, 240.711 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(18, 40, 50) }
```

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

```
.border{ border-color:rgb(18, 40, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 40, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 40, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 40, 50);  
box-shadow:4px 4px 4px 4px rgb(18, 40, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 10.533, 240.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 40, 50) }
```

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

```
.background{ background-color: rgb(18, 40,  
50) }
```

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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