

Converting Colors

CIELCh(15, 12.538, 324.840)

Have a look what the booklet for
CIELCh(15, 12.538, 324.840)
contains.

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Color

CIELCh(15, 12.385, 323.932)

Conversions

Conversions Part 1

Format	Color
Hex	2F2130
RGB	47, 33, 48
RGB Percent	18%, 13%, 19%
CMY	0.8155, 0.8704, 0.8116
CMYK	0.02, 0.31, 0.00, 0.81
HSL	296°, 19%, 16%
HSV	296°, 31%, 19%
XYZ	2.2531, 1.9086, 3.0499
YIQ	38.8960, 3.5290, 7.6330

Conversions

Conversions Part 2

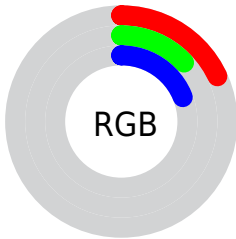
Format	Color
R_{YB}	47, 33, 48
Decimal	3088688
CIE _{Lab}	15.00, 10.01, -7.29
CIE _{LCh}	15, 12.385, 323.932
Yxy	1.9086, 0.3124, 0.2647
Android (android.graphics.Color)	4281278768 (0xFF2F2130)
YUV	38.8960, 4.4883, 7.1072
Hunter-Lab	13.8151, 4.9348, -3.4187

Details

The CIELCh color **15, 12.385, 323.932** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 12.340, 141.068**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 12.565, 323.701**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 16.315, 324.332**, and if you desaturate by 10%, it is **17, 8.404, 323.516**.

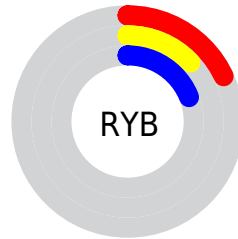
Distribution



Red (18%)

Green (13%)

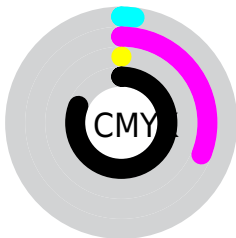
Blue (19%)



Red (18%)

Yellow (13%)

Blue (19%)

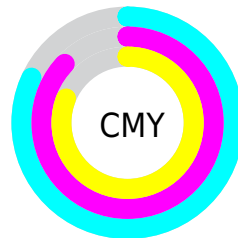


Cyan (2%)

Magenta (31%)

Yellow (0%)

Black (81%)



Cyan (82%)

Magenta (87%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 12.385, 323.932 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, 12.385, 323.932 by changing the saturation by 10% instead.

■ 15, 12.385,
323.932

■ 15, 12.385,
323.932

■ 100, 12.385,
323.932

■ 5, 12.385, 323.932

■ 35, 12.385,
323.932

■ 0, 12.385, 323.932

■ 45, 12.385,
323.932


■ 55, 12.385,
323.932


■ 65, 12.385,
323.932


■ 75, 12.385,
323.932


■ 85, 12.385,

323.932


 95, 12.385,
323.932

 15, 12.385,
323.932

 15, 12.385,
323.932


 14, 16.315,
324.332

 17, 8.404, 323.516


 12, 20.130,
324.707

 18, 4.425, 323.090


 20, 0.483, 322.509

 11, 23.744,
325.045

 21, 3.397, 142.314

 10, 27.056,
325.332

 23, 7.199, 141.904

 25, 10.915,
141.519

 9, 29.970, 325.557

■ 8, 32.942, 325.796

■ 26, 14.538,
141.154

■ 7, 35.625, 325.979

■ 28, 18.068,
140.807

■ 30, 21.505,
140.479

Harmonies

Complementary

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



15, 12.385, 323.932



18, 12.340, 141.068

Rectangle

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



15, 12.385, 323.932



15, 12.385, 13.932



15, 12.385, 143.932



15, 12.385, 193.932

Sweetspot

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



15, 12.384, 323.932



24, 4.344, 323.012



14, 10.009, 290.559



10, 2.948, 323.025



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



15, 12.384, 323.932



19, 17.966, 324.240



15, 9.379, 342.384



7, 1.934, 322.537



18, 52.846, 325.818



48, 101.713, 325.603

Inverse Universe

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



15, 7.723, 16.262



18, 11.447, 17.100



18, 9.170, 158.001



7, 1.119, 14.006



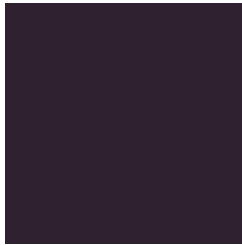
16, 42.739, 30.866



45, 88.979, 37.747

Previews

White Background



This preview shows how the CIELCh color 15, 12.385, 323.932 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

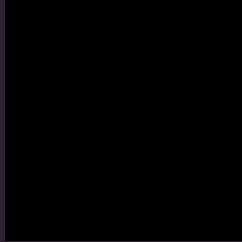
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 12.385, 323.932

Background



This preview shows how black text looks on a background with the CIELCh color 15, 12.385, 323.932.



This preview shows how white text looks on a background with the CIELCh color 15, 12.385, 323.932.

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

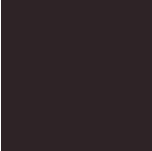
15, 12.385, 323.932

Protanopia

15, 9.945, 285.587

Deuteranopia

15, 7.074, 292.107



Tritanopia
15, 5.849, 359.857

Trichromacy



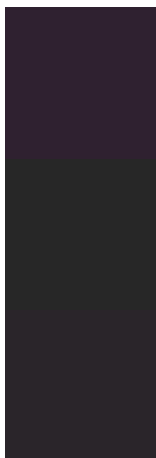
Original Color
15, 12.385, 323.932

Protanomaly
15, 10.024, 300.335

Deuteranomaly
15, 8.139, 308.410

Tritanomaly
15, 8.067, 337.214

Monochromacy



Original Color
15, 12.385, 323.932

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 4.275, 324.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 12.385, 323.932 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(47, 33, 48)` looks like.

```
.text, #text, p{  
    color:rgb(47, 33, 48)  
}
```

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(47, 33, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 33, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 12.385, 323.932 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(47, 33, 48) }
```

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

```
.border{ border-color:rgb(47, 33, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 33, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 33, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 33, 48);  
box-shadow:4px 4px 4px 4px rgb(47, 33, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 12.385, 323.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 33, 48) }
```

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

```
.background{ background-color: rgb(47, 33,  
48) }
```

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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