

Converting Colors

CIELCh(15, 13.005, 216.259)

Have a look what the booklet for
CIELCh(15, 13.005, 216.259)
contains.

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Color

CIELCh(15, 12.925, 216.384)

Conversions

Conversions Part 1

Format	Color
Hex	042A30
RGB	4, 42, 48
RGB Percent	2%, 16%, 19%
CMY	0.9837, 0.8347, 0.8111
CMYK	0.91, 0.12, 0.00, 0.81
HSL	188°, 84%, 10%
HSV	188°, 91%, 19%
XYZ	1.4224, 1.9086, 3.1068
YIQ	31.3220, -24.5740, -6.1900

Conversions

Conversions Part 2

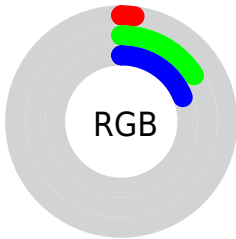
Format	Color
R_{YB}	4, 24, 48
Decimal	272944
CIE _{Lab}	15.00, -10.41, -7.67
CIE _{LCh}	15, 12.925, 216.384
Yxy	1.9086, 0.2209, 0.2965
Android (android.graphics.Color)	4278463024 (0xFF042A30)
YUV	31.3220, 8.2223, -23.9614
Hunter-Lab	13.8151, -5.7982, -3.6630

Details

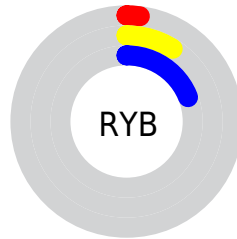
The CIELCh color **15, 12.925, 216.384** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 21.503, 28.802**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 12.982, 217.739**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 13.699, 216.979**, and if you desaturate by 10%, it is **15, 12.078, 215.513**.

Distribution



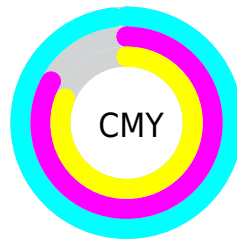
- Red (2%)
- Green (16%)
- Blue (19%)



- Red (2%)
- Yellow (9%)
- Blue (19%)



- Cyan (91%)
- Magenta (12%)
- Yellow (0%)
- Black (81%)



- Cyan (98%)
- Magenta (83%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 12.925, 216.384 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, 12.925, 216.384 by changing the saturation by 10% instead.

■ 15, 12.925,
216.384

■ 15, 12.925,
216.384

■ 100, 12.925,
216.384

■ 5, 12.925, 216.384

■ 35, 12.925,
216.384

■ 0, 12.925, 216.384

■ 45, 12.925,
216.384


■ 55, 12.925,
216.384


■ 65, 12.925,
216.384


■ 75, 12.925,
216.384


■ 85, 12.925,


216.384


 95, 12.925,
216.384


 15, 12.925,
216.384

 15, 12.925,
216.384

 15, 13.699,
216.979

 15, 12.078,
215.513

 16, 11.201,
214.570

 16, 10.121,
213.834

 17, 8.848, 213.283

 17, 7.398, 212.891

 18, 5.794, 212.633

■ 19, 4.056, 212.491

■ 19, 2.208, 212.465

■ 20, 0.268, 213.147

Harmonies

Complementary

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



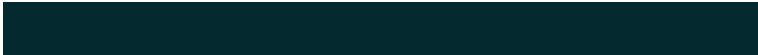
15, 12.925, 216.384



8, 21.503, 28.802

Rectangle

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



15, 12.925, 216.384



15, 12.925, 266.384



15, 12.925, 36.384



15, 12.925, 86.384

Sweetspot

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



15, 12.925, 216.383



25, 6.368, 212.582



16, 30.705, 141.766



11, 4.332, 212.590



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, 12.925, 216.383



20, 16.322, 218.355



7, 21.191, 284.460



7, 0.979, 213.084



29, 20.013, 219.617



69, 38.329, 222.035

Inverse Universe

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



8, 30.207, 332.970



12, 38.969, 333.685



14, 19.123, 76.423



7, 1.792, 328.539



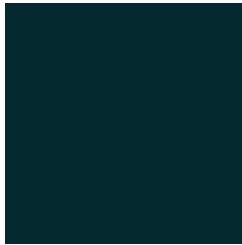
18, 47.700, 333.998



49, 90.961, 334.601

Previews

White Background



This preview shows how the CIELCh color 15, 12.925, 216.384 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



This preview shows how the CIELCh color 15, 12.925, 216.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

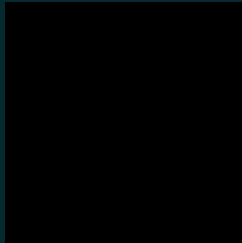
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

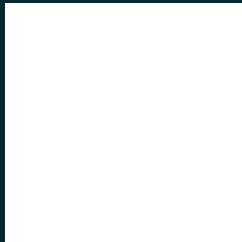
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 12.925, 216.384

Background



This preview shows how black text looks on a background with the CIELCh color 15, 12.925, 216.384.

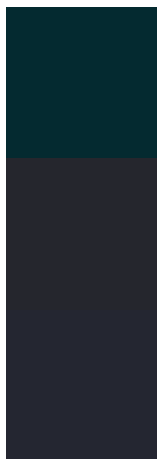


This preview shows how white text looks on a background with the CIELCh color 15, 12.925, 216.384.

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, 12.925, 216.384

Protanopia

15, 4.949, 286.266

Deuteranopia

15, 7.781, 285.855



Tritanopia
15, 13.787, 208.670

Trichromacy



Original Color
15, 12.925, 216.384

Protanomaly
15, 7.384, 233.589

Deuteranomaly
15, 8.792, 245.103

Tritanomaly
15, 13.319, 212.423

Monochromacy



Original Color
15, 12.925, 216.384

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 6.255, 211.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 12.925, 216.384 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(4, 42, 48)` looks like.

```
.text, #text, p{  
    color:rgb(4, 42, 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(4, 42, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 42, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 12.925, 216.384 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(4, 42, 48) }
```

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

```
.border{ border-color:rgb(4, 42, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 42, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 42, 48); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 42, 48); box-shadow:4px  
4px 4px 4px rgb(4, 42, 48) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 12.925, 216.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 42, 48) }
```

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

```
.background{ background-color: rgb(4, 42,  
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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