

Converting Colors

CIELCh(15, 12.266, 190.906)

Have a look what the booklet for
CIELCh(15, 12.266, 190.906)
contains.

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Color

CIELCh(15, 12.105, 193.418)

Conversions

Conversions Part 1

Format	Color
Hex	0A2A29
RGB	10, 42, 41
RGB Percent	4%, 16%, 16%
CMY	0.9593, 0.8340, 0.8380
CMYK	0.75, 0.00, 0.02, 0.83
HSL	178°, 61%, 10%
HSV	178°, 75%, 17%
XYZ	1.3755, 1.9086, 2.4233
YIQ	32.3180, -18.7510, -7.0950

Conversions

Conversions Part 2

Format	Color
RYB	10, 26, 42
Decimal	666153
CIELab	15.00, -11.77, -2.81
CIELCh	15, 12.105, 193.418
Yxy	1.9086, 0.2410, 0.3344
Android (android.graphics.Color)	4278856233 (0xFF0A2A29)
YUV	32.3180, 4.2802, -19.5729
Hunter-Lab	13.8151, -6.4041, -0.7294

Details

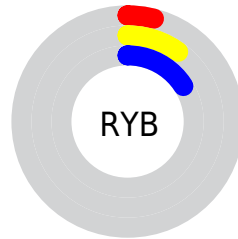
The CIELCh color **15, 12.105, 193.418** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 17.404, 19.356**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 12.472, 191.941**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 13.107, 193.048**, and if you desaturate by 10%, it is **15, 11.004, 193.808**.

Distribution



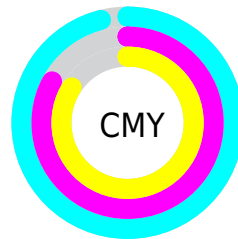
- Red (4%)
- Green (16%)
- Blue (16%)



- Red (4%)
- Yellow (10%)
- Blue (16%)



- Cyan (75%)
- Magenta (0%)
- Yellow (2%)
- Black (83%)



- Cyan (96%)
- Magenta (83%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 12.105, 193.418 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, 12.105, 193.418 by changing the saturation by 10% instead.

■ 15, 12.105,
193.418

■ 15, 12.105,
193.418

■ 100, 12.105,
193.418

■ 5, 12.105, 193.418

■ 35, 12.105,
193.418

■ 0, 12.105, 193.418

■ 45, 12.105,
193.418


■ 55, 12.105,
193.418


■ 65, 12.105,
193.418


■ 75, 12.105,
193.418


■ 85, 12.105,


193.418


 95, 12.105,
193.418

 15, 12.105,
193.418


 15, 12.105,
193.418

 15, 13.107,
193.048

 15, 11.004,
193.808

 15, 14.148,
192.705

 15, 9.717, 194.217

 15, 14.635,
192.557

 16, 8.256, 194.647

 16, 6.643, 195.098

 16, 4.897, 195.572

 17, 3.041, 196.077

■ 17, 1.093, 196.683

■ 17, 0.925, 16.815

■ 18, 2.996, 17.474

Harmonies

Complementary

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



15, 12.105, 193.418



7, 17.404, 19.356

Rectangle

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



15, 12.105, 193.418



15, 12.105, 243.418



15, 12.105, 13.418



15, 12.105, 63.418

Sweetspot

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



15, 12.105, 193.416



22, 5.626, 195.619



14, 25.308, 140.167



10, 3.790, 195.602



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



15, 12.105, 193.416



21, 16.550, 192.632



9, 12.262, 264.270



6, 0.897, 196.800



32, 22.887, 192.028



77, 44.649, 191.628

Inverse Universe

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



7, 17.404, 19.356



9, 27.206, 23.692



11, 13.628, 61.312



6, 0.898, 16.787



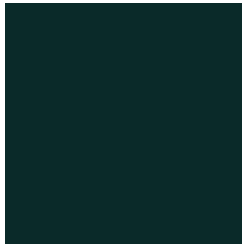
15, 42.173, 31.778



44, 89.540, 38.923

Previews

White Background



This preview shows how the CIELCh color 15, 12.105, 193.418 looks on a white background.

Color Contrast Check

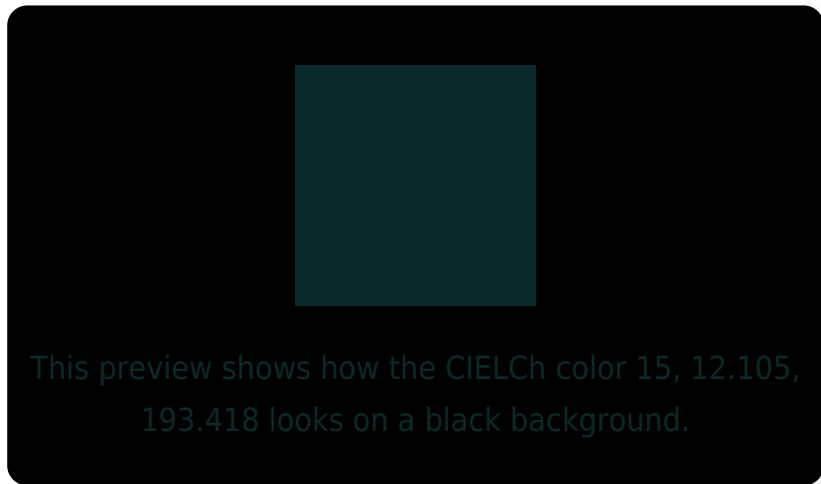
Large Text (above 18pt) WCAG AA ✓ Pass

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

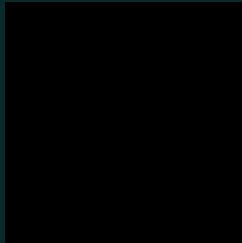
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 12.105, 193.418

Background



This preview shows how black text looks on a background with the CIELCh color 15, 12.105, 193.418.



This preview shows how white text looks on a background with the CIELCh color 15, 12.105, 193.418.

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, 12.105, 193.418

Protanopia
15, 0.708, 290.402

Deuteranopia
15, 4.360, 303.680



Tritanopia
15, 10.958, 208.458

Trichromacy



Original Color
15, 12.105, 193.418

Protanomaly
15, 5.410, 198.216

Deuteranomaly
15, 4.866, 224.543

Tritanomaly
15, 11.239, 204.381

Monochromacy



Original Color
15, 12.105, 193.418

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 5.040, 198.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 12.105, 193.418 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(10, 42, 41)` looks like.

```
.text, #text, p{  
    color:rgb(10, 42, 41)  
}
```

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(10, 42, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 42, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 12.105, 193.418 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(10, 42, 41) }
```

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

```
.border{ border-color:rgb(10, 42, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 42, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 42, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 42, 41);  
box-shadow:4px 4px 4px 4px rgb(10, 42, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 12.105, 193.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 42, 41) }
```

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

```
.background{ background-color: rgb(10, 42,  
41) }
```

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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