

Converting Colors

CIELCh(15, 4.333, 59.021)

Have a look what the booklet for
CIELCh(15, 4.333, 59.021) contains.

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Color

CIELCh(15, 4.178, 50.348)

Conversions

Conversions Part 1

Format	Color
Hex	2B2421
RGB	43, 36, 33
RGB Percent	17%, 14%, 13%
CMY	0.8303, 0.8578, 0.8696
CMYK	0.00, 0.16, 0.23, 0.83
HSL	18°, 13%, 15%
HSV	18°, 23%, 17%
XYZ	1.9248, 1.9086, 1.7250
YIQ	37.7510, 5.1350, 0.5510

Conversions

Conversions Part 2

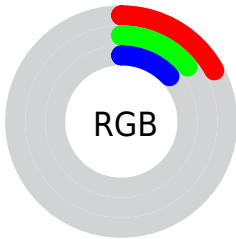
Format	Color
R_YB	43, 37, 33
Decimal	2827297
CIE Lab	15.00, 2.67, 3.22
CIE LCh	15, 4.178, 50.348
Yxy	1.9086, 0.3463, 0.3434
Android (android.graphics.Color)	4281017377 (0xFF2B2421)
YUV	37.7510, -2.3422, 4.6034
Hunter-Lab	13.8151, 0.6933, 2.2673

Details

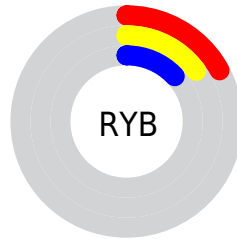
The CIELCh color **15, 4.178, 50.348** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 3.757, 233.187**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 4.411, 44.838**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 6.173, 49.939**, and if you desaturate by 10%, it is **16, 2.300, 50.807**.

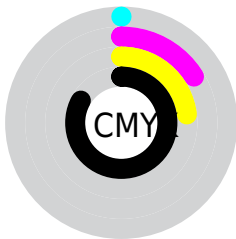
Distribution



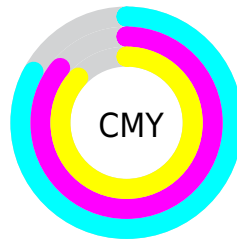
- Red (17%)
- Green (14%)
- Blue (13%)



- Red (17%)
- Yellow (15%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (23%)
- Black (83%)



- Cyan (83%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 4.178, 50.348 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, 4.178, 50.348 by changing the saturation by 10% instead.

 15, 4.178, 50.348  15, 4.178, 50.348

 100, 4.178, 50.348  5, 4.178, 50.348

 35, 4.178, 50.348  0, 4.178, 50.348

 45, 4.178, 50.348


 55, 4.178, 50.348

 65, 4.178, 50.348

 75, 4.178, 50.348

 85, 4.178, 50.348

 95, 4.178, 50.348

 15, 4.178, 50.348  15, 4.178, 50.348

■ 14, 6.173, 49.939	■ 16, 2.300, 50.807
■ 13, 8.292, 49.571	■ 17, 0.532, 51.070
■ 12, 10.495, 49.056	■ 18, 1.137, 232.100
■ 11, 12.462, 47.202	■ 20, 2.715, 232.572
■ 10, 14.174, 44.372	■ 21, 4.211, 233.122
■ 9, 15.727, 41.200	■ 22, 5.633, 233.689
■ 8, 17.279, 38.780	■ 23, 6.989, 234.260
■ 7, 18.287, 37.798	■ 24, 8.286, 234.831
	■ 26, 9.530, 235.395

Harmonies

Complementary

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



15, 4.178, 50.348



16, 3.757, 233.187

Rectangle

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



15, 4.178, 50.348



15, 4.178, 100.348



15, 4.178, 230.348



15, 4.178, 280.348

Sweetspot

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



15, 4.178, 50.360



23, 1.500, 51.038



14, 6.945, 335.574



10, 0.948, 51.049



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, 4.178, 50.360



20, 6.424, 50.081



17, 5.644, 98.255



6, 0.735, 50.329



18, 37.962, 46.436



49, 82.424, 47.130

Inverse Universe

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



16, 3.757, 233.187



21, 5.586, 233.766



14, 5.760, 282.807



6, 0.735, 232.813



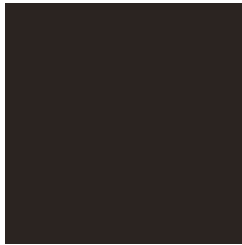
23, 21.119, 251.650



58, 42.735, 256.634

Previews

White Background



This preview shows how the CIELCh color 15, 4.178, 50.348 looks on a white background.

Color Contrast Check

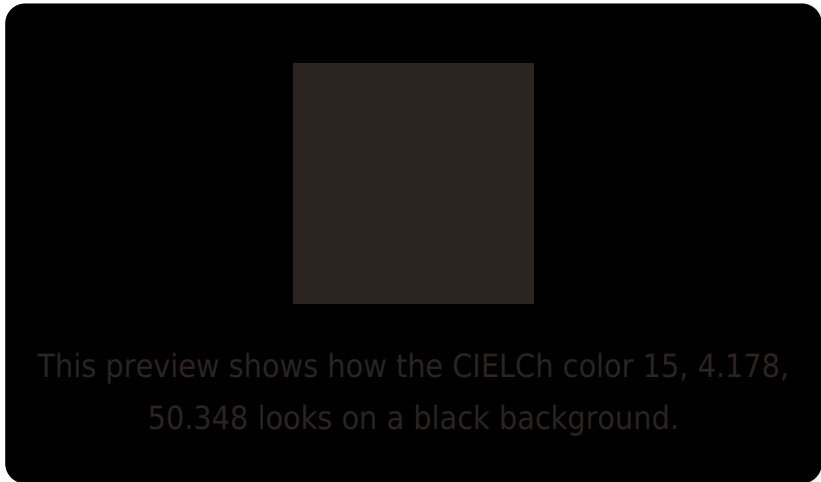
Large Text (above 18pt) WCAG AA ✓ Pass

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

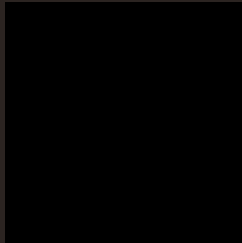
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 4.178, 50.348

Background



This preview shows how black text looks on a background with the CIELCh color 15, 4.178, 50.348.

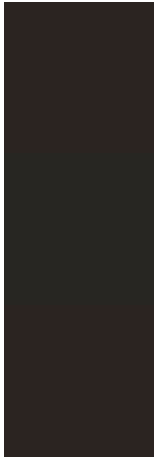


This preview shows how white text looks on a background with the CIELCh color 15, 4.178, 50.348.

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, 4.178, 50.348

Protanopia

15, 2.852, 99.247

Deuteranopia

15, 4.178, 50.348



Tritanopia
15, 4.200, 0.933

Trichromacy



Original Color

15, 4.178, 50.348

Protanomaly

15, 2.924, 65.785

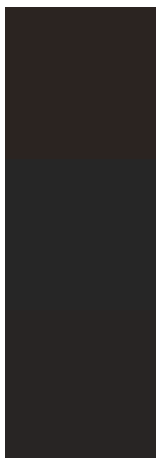
Deuteranomaly

15, 4.178, 50.348

Tritanomaly

15, 4.020, 20.357

Monochromacy



Original Color

15, 4.178, 50.348

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 1.643, 44.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 4.178, 50.348 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(43, 36, 33)` looks like.

```
.text, #text, p{  
    color:rgb(43, 36, 33)  
}
```

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(43, 36, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 36, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 4.178, 50.348 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(43, 36, 33) }
```

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

```
.border{ border-color:rgb(43, 36, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 36, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 36, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 36, 33);  
box-shadow:4px 4px 4px 4px rgb(43, 36, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 4.178, 50.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 36, 33) }
```

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

```
.background{ background-color: rgb(43, 36,  
33) }
```

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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