

Converting Colors

CIELCh(15, 11.294, 311.552)

Have a look what the booklet for
CIELCh(15, 11.294, 311.552)
contains.

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Color

CIELCh(15, 11.230, 311.373)

Conversions

Conversions Part 1

Format	Color
Hex	2B2332
RGB	43, 35, 50
RGB Percent	17%, 14%, 20%
CMY	0.8331, 0.8644, 0.8056
CMYK	0.14, 0.30, 0.00, 0.81
HSL	272°, 18%, 16%
HSV	272°, 30%, 19%
XYZ	2.1335, 1.9086, 3.2242
YIQ	39.1020, -0.0470, 6.3610

Conversions

Conversions Part 2

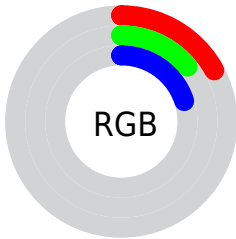
Format	Color
R_{YB}	43, 35, 50
Decimal	2827058
CIE Lab	15.00, 7.42, -8.43
CIE LCh	15, 11.230, 311.373
Yxy	1.9086, 0.2936, 0.2627
Android (android.graphics.Color)	4281017138 (0xFF2B2332)
YUV	39.1020, 5.3727, 3.4185
Hunter-Lab	13.8151, 3.3891, -4.1667

Details

The CIELCh color **15, 11.230, 311.373** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 10.876, 129.080**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 11.430, 312.792**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 15.078, 311.796**, and if you desaturate by 10%, it is **17, 7.436, 310.963**.

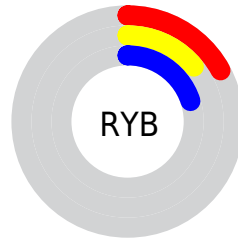
Distribution



Red (17%)

Green (14%)

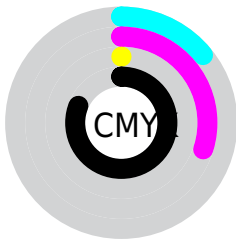
Blue (20%)



Red (17%)

Yellow (14%)

Blue (20%)

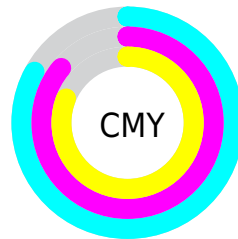


Cyan (14%)

Magenta (30%)

Yellow (0%)

Black (81%)



Cyan (83%)

Magenta (86%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 11.230, 311.373 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, 11.230, 311.373 by changing the saturation by 10% instead.

■ 15, 11.230,
311.373

■ 15, 11.230,
311.373

■ 100, 11.230,
311.373

■ 5, 11.230, 311.373

■ 35, 11.230,
311.373

■ 0, 11.230, 311.373

■ 45, 11.230,
311.373


■ 55, 11.230,
311.373


■ 65, 11.230,
311.373


■ 75, 11.230,
311.373


■ 85, 11.230,

311.373


 95, 11.230,
311.373


 15, 11.230,
311.373

 15, 11.230,
311.373


 13, 15.078,
311.796

 17, 7.436, 310.963

 11, 18.950,
312.221

 19, 3.717, 310.571

 21, 0.082, 309.629


 10, 22.796,
312.629

 22, 3.464, 129.908

 8, 26.540, 312.994

 24, 6.919, 129.599

 7, 29.688, 312.934

 26, 10.286,
129.322

 5, 32.279, 312.469

■ 4, 34.648, 311.865

■ 28, 13.565,
129.074

■ 30, 16.760,
128.851

■ 32, 19.874,
128.652

Harmonies

Complementary

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



15, 11.230, 311.373



19, 10.876, 129.080

Rectangle

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



15, 11.230, 311.373



15, 11.230, 1.373



15, 11.230, 131.373



15, 11.230, 181.373

Sweetspot

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



15, 11.229, 311.373



25, 4.041, 310.542



17, 6.144, 261.011



11, 2.840, 310.559



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, 11.229, 311.373



19, 16.643, 311.695



16, 12.393, 326.261



8, 2.054, 310.494



12, 57.197, 313.500



35, 109.708, 312.558

Inverse Universe

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



16, 8.752, 347.819



20, 12.927, 348.544



19, 12.388, 143.198



8, 1.606, 345.992



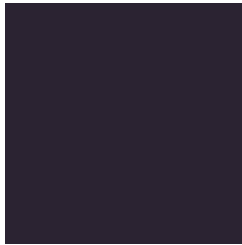
17, 39.428, 1.590



47, 74.686, 5.716

Previews

White Background



This preview shows how the CIE LCh color 15, 11.230, 311.373 looks on a white background.

Color Contrast Check

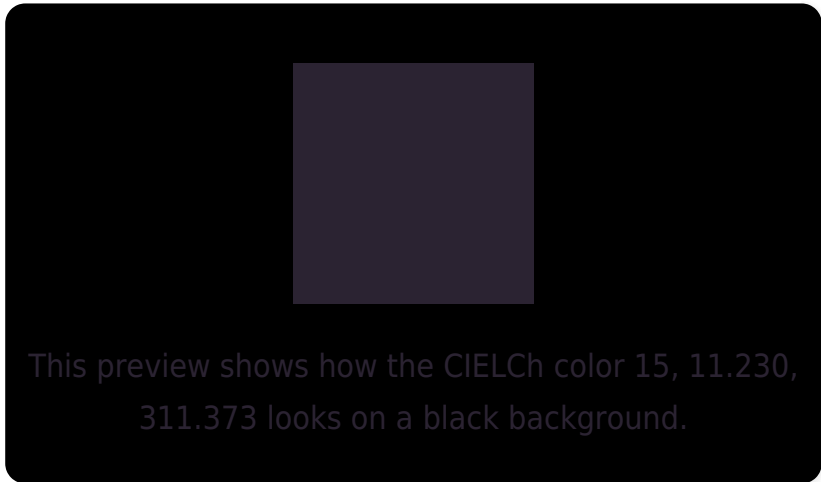
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.230, 311.373

Background



This preview shows how black text looks on a background with the CIELCh color 15, 11.230, 311.373.



This preview shows how white text looks on a background with the CIELCh color 15, 11.230, 311.373.

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, 11.230, 311.373

Protanopia

15, 10.641, 286.315

Deuteranopia

15, 8.511, 286.678



Tritanopia
15, 2.413, 344.237

Trichromacy



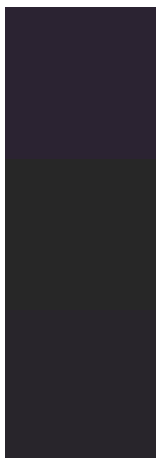
Original Color
15, 11.230, 311.373

Protanomaly
15, 10.647, 295.349

Deuteranomaly
15, 9.273, 298.092

Tritanomaly
15, 5.727, 321.086

Monochromacy



Original Color
15, 11.230, 311.373

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 4.486, 309.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 11.230, 311.373 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, 35, 50)` looks like.

```
.text, #text, p{  
    color:rgb(43, 35, 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(43, 35, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 35, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 11.230, 311.373 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, 35, 50) }
```

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

```
.border{ border-color:rgb(43, 35, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 35, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 35, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 35, 50);  
box-shadow:4px 4px 4px 4px rgb(43, 35, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 11.230, 311.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 35, 50) }
```

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

```
.background{ background-color: rgb(43, 35,  
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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