

Converting Colors

CIELCh(18, 15.002, 301.045)

Have a look what the booklet for
CIELCh(18, 15.002, 301.045)
contains.

CIELCh(18, 15.400, 301.442)	3
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Color

CIELCh(18, 15.400, 301.442)

Conversions

Conversions Part 1

Format	Color
Hex	2E293F
RGB	46, 41, 63
RGB Percent	18%, 16%, 25%
CMY	0.8199, 0.8395, 0.7532
CMYK	0.27, 0.35, 0.00, 0.75
HSL	254°, 21%, 20%
HSV	254°, 35%, 25%
XYZ	2.8089, 2.5180, 5.0293
YIQ	45.0030, -4.0820, 7.9020

Conversions

Conversions Part 2

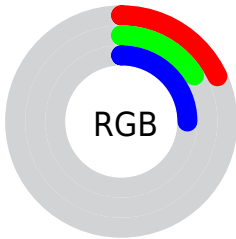
Format	Color
R_{YB}	46, 41, 63
Decimal	3025215
CIE _{Lab}	18.00, 8.03, -13.14
CIE _{LCh}	18, 15.400, 301.442
Yxy	2.5180, 0.2712, 0.2431
Android (android.graphics.Color)	4281215295 (0xFF2E293F)
YUV	45.0030, 8.8725, 0.8744
Hunter-Lab	15.8683, 3.8267, -7.6835

Details

The CIELCh color **18, 15.400, 301.442** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 14.407, 117.047**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 15.634, 301.064**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **16, 20.119, 302.319**, and if you desaturate by 10%, it is **20, 10.816, 300.650**.

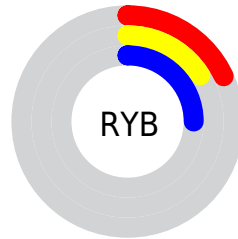
Distribution



 Red (18%)

 Green (16%)

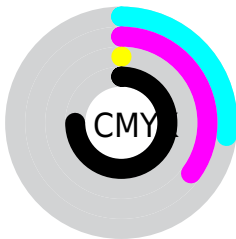
 Blue (25%)




 Red (18%)

 Yellow (16%)

 Blue (25%)

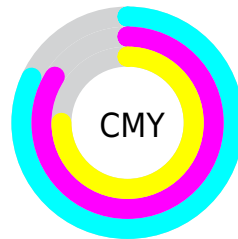


 Cyan (27%)

 Magenta (35%)

 Yellow (0%)

 Black (75%)



 Cyan (82%)

 Magenta (84%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.400, 301.442 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 18, 15.400, 301.442 by changing the saturation by 10% instead.

■ 18, 15.400,
301.442

■ 18, 15.400,
301.442

■ 100, 15.400,
301.442

■ 8, 15.400, 301.442

■ 38, 15.400,
301.442

■ 0, 15.400, 301.442

■ 48, 15.400,
301.442

■ 58, 15.400,
301.442

■ 68, 15.400,
301.442

■ 78, 15.400,
301.442

■ 88, 15.400,

301.442

98, 15.400,
301.442

18, 15.400,
301.442

18, 15.400,
301.442

16, 20.119,
302.319

20, 10.816,
300.650

13, 24.950,
303.272

23, 6.377, 299.944

11, 29.839,
304.279

25, 2.081, 299.315

28, 2.077, 118.774

9, 34.676, 305.291

30, 6.103, 118.286

7, 38.907, 305.898

33, 10.004,
117.861

5, 42.340, 305.945

■ 4, 43.979, 305.924

■ 35, 13.787,
117.489

■ 37, 17.458,
117.162

■ 40, 21.024,
116.877

Harmonies

Complementary

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



18, 15.400, 301.442



26, 14.407, 117.047

Rectangle

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



18, 15.400, 301.442



18, 15.400, 351.442



18, 15.400, 121.442



18, 15.400, 171.442

Sweetspot

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



18, 15.399, 301.442



32, 5.257, 299.651



23, 7.611, 223.135



14, 3.528, 299.682



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 15.399, 301.442



22, 23.299, 302.216



19, 16.525, 317.564



10, 2.289, 299.523



9, 62.993, 308.030



29, 118.366, 307.417

Inverse Universe

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



20, 15.145, 333.517



25, 22.485, 334.078



25, 16.179, 134.780



10, 2.334, 331.922



20, 47.367, 338.947



50, 87.153, 340.034

Previews

White Background



This preview shows how the CIE LCh color 18, 15.400, 301.442 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 18, 15.400, 301.442

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.400, 301.442.



This preview shows how white text looks on a background with the CIELCh color 18, 15.400, 301.442.

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

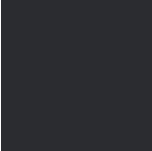
18, 15.400, 301.442

Protanopia

18, 15.284, 285.295

Deuteranopia

18, 12.617, 280.630



Tritanopia
18, 2.792, 281.443

Trichromacy



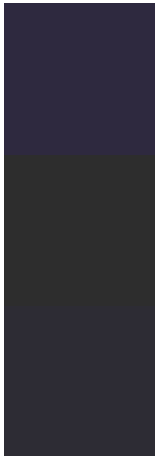
Original Color
18, 15.400, 301.442

Protanomaly
18, 15.222, 290.966

Deuteranomaly
18, 13.144, 288.169

Tritanomaly
18, 6.940, 295.548

Monochromacy



Original Color
18, 15.400, 301.442

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.544, 296.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.400, 301.442 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(46, 41, 63)` looks like.

```
.text, #text, p{  
    color:rgb(46, 41, 63)  
}
```

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(46, 41, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 41, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.400, 301.442 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(46, 41, 63) }
```

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

```
.border{ border-color:rgb(46, 41, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 41, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 41, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 41, 63);  
box-shadow:4px 4px 4px 4px rgb(46, 41, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.400, 301.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 41, 63) }
```

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

```
.background{ background-color: rgb(46, 41,  
63) }
```

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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