

Converting Colors

CIELCh(18, 15.413, 312.869)

Have a look what the booklet for
CIELCh(18, 15.413, 312.869)
contains.

CIELCh(18, 15.461, 312.889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 15.461, 312.889)

Conversions

Conversions Part 1

Format	Color
Hex	33273C
RGB	51, 39, 60
RGB Percent	20%, 15%, 24%
CMY	0.7985, 0.8457, 0.7632
CMYK	0.15, 0.35, 0.00, 0.76
HSL	274°, 21%, 20%
HSV	274°, 35%, 24%
XYZ	2.9467, 2.5180, 4.6581
YIQ	44.9820, 0.4110, 9.0750

Conversions

Conversions Part 2

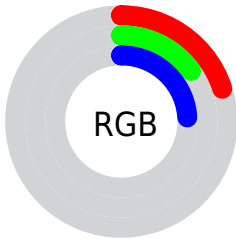
Format	Color
R_{YB}	51, 39, 60
Decimal	3352380
CIE Lab	18.00, 10.52, -11.33
CIE LCh	18, 15.461, 312.889
Yxy	2.5180, 0.2911, 0.2487
Android (android.graphics.Color)	4281542460 (0xFF33273C)
YUV	44.9820, 7.4039, 5.2778
Hunter-Lab	15.8683, 5.3778, -6.2965




Details

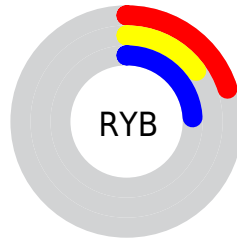
The CIELCh color **18, 15.461, 312.889** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 14.929, 130.158**, and the grayscale version is **19, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 15.305, 313.640**, and **0, 7.448, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 20.033, 313.306**, and if you desaturate by 10%, it is **20, 10.921, 312.474**.

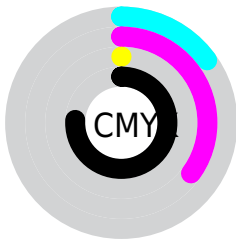
Distribution







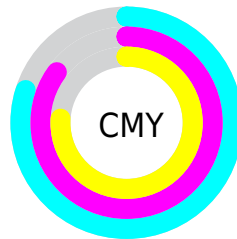
-  Red (20%)
-  Green (15%)
-  Blue (24%)






-  Red (20%)
-  Yellow (15%)
-  Blue (24%)



-  Cyan (15%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (76%)



-  Cyan (80%)
-  Magenta (85%)
-  Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.461, 312.889 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, 15.461, 312.889 by changing the saturation by 10% instead.

■ 18, 15.461,
312.889

■ 18, 15.461,
312.889

■ 100, 15.461,
312.889

■ 8, 15.461, 312.889

■ 38, 15.461,
312.889

■ 0, 15.461, 312.889

■ 48, 15.461,
312.889

■ 58, 15.461,
312.889

■ 68, 15.461,
312.889

■ 78, 15.461,
312.889

■ 88, 15.461,

312.889

98, 15.461,
312.889

18, 15.461,
312.889

18, 15.461,
312.889

16, 20.033,
313.306

20, 10.921,
312.474

14, 24.581,
313.706

22, 6.453, 312.071

24, 2.076, 311.674

12, 29.013,
314.064

27, 2.197, 131.380

10, 33.199,
314.340

29, 6.361, 131.039

9, 36.975, 314.489

31, 10.416,
130.742

■ 7, 40.801, 314.688

■ 33, 14.364,
130.474

■ 6, 42.736, 314.727

■ 35, 18.206,
130.233

■ 37, 21.948,
130.018

Harmonies

Complementary

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



18, 15.461, 312.889



24, 14.929, 130.158

Rectangle

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



18, 15.461, 312.889



18, 15.461, 2.889



18, 15.461, 132.889



18, 15.461, 182.889

Sweetspot

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



18, 15.460, 312.889



31, 5.426, 311.900



20, 8.806, 267.090



15, 3.738, 311.921



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, 15.460, 312.889



22, 23.492, 313.270



19, 16.274, 327.989



10, 2.428, 311.821



13, 59.034, 314.374



37, 110.730, 313.515

Inverse Universe

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



19, 11.688, 350.732



23, 17.698, 351.768



23, 16.268, 144.134



10, 1.836, 348.275



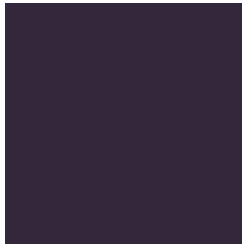
18, 40.802, 5.395



47, 76.111, 9.573

Previews

White Background



This preview shows how the CIELCh color 18, 15.461, 312.889 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 18, 15.461, 312.889 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 18, 15.461, 312.889

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.461, 312.889.



This preview shows how white text looks on a background with the CIELCh color 18, 15.461, 312.889.

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, 15.461, 312.889

Protanopia

18, 13.893, 283.873

Deuteranopia

18, 11.101, 284.437



Tritanopia
18, 4.335, 340.892

Trichromacy



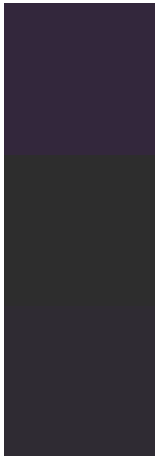
Original Color
18, 15.461, 312.889

Protanomaly
18, 14.538, 295.295

Deuteranomaly
18, 12.504, 297.033

Tritanomaly
18, 8.083, 322.500

Monochromacy



Original Color
18, 15.461, 312.889

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.842, 309.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.461, 312.889 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(51, 39, 60)` looks like.

```
.text, #text, p{  
    color:rgb(51, 39, 60)  
}
```

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(51, 39, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 39, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.461, 312.889 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(51, 39, 60) }
```

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

```
.border{ border-color:rgb(51, 39, 60) }
```

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

Here you see how a box with a 4 pixel rgb(51, 39, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 39, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 39, 60);  
box-shadow:4px 4px 4px 4px rgb(51, 39, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.461, 312.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 39, 60) }
```

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

```
.background{ background-color: rgb(51, 39,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor