

Converting Colors

CIELCh(18, 68.308, 312.182)

Have a look what the booklet for
CIELCh(18, 68.308, 312.182)
contains.

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Color

CIELCh(18, 68.163, 312.179)

Conversions

Conversions Part 1

Format	Color
Hex	3E0777
RGB	62, 7, 119
RGB Percent	24%, 3%, 47%
CMY	0.7564, 0.9720, 0.5329
CMYK	0.48, 0.94, 0.00, 0.53
HSL	269°, 89%, 25%
HSV	269°, 94%, 47%
XYZ	5.4088, 2.5180, 17.6904
YIQ	36.2130, -3.1720, 46.4920

Conversions

Conversions Part 2

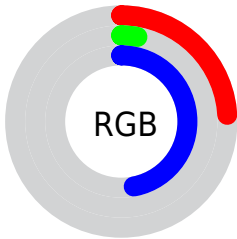
Format	Color
RYB	62, 7, 119
Decimal	4065143
CIELab	18.00, 45.77, -50.51
CIElCh	18, 68.163, 312.179
Yxy	2.5180, 0.2111, 0.0983
Android (android.graphics.Color)	4282255223 (0xFF3E0777)
YUV	36.2130, 40.8140, 22.6152
Hunter-Lab	15.8683, 33.0728, -54.9901




Details

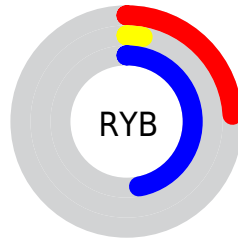
The CIELCh color **18, 68.163, 312.179** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 59.616, 126.779**, and the grayscale version is **14, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 67.992, 312.105**, and **4, 48.349, 304.267** is the 20% darker color. If you saturate the color by 10%, you get **17, 70.931, 312.129**, and if you desaturate by 10%, it is **20, 63.412, 312.341**.

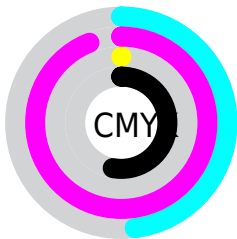
Distribution







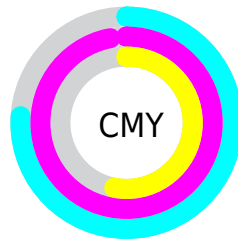
-  Red (24%)
-  Green (3%)
-  Blue (47%)






-  Red (24%)
-  Yellow (3%)
-  Blue (47%)



-  Cyan (48%)
-  Magenta (94%)
-  Yellow (0%)
-  Black (53%)





-  Cyan (76%)
-  Magenta (97%)
-  Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 68.163, 312.179 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, 68.163, 312.179 by changing the saturation by 10% instead.

 18, 68.163,
312.179


 18, 68.163,
312.179


 100, 68.163,
312.179


 8, 68.163, 312.179


 38, 68.163,
312.179

 0, 68.163, 312.179

 48, 68.163,
312.179

 58, 68.163,
312.179


 68, 68.163,
312.179


 78, 68.163,
312.179


 88, 68.163,


312.179


 98, 68.163,
312.179


 18, 68.163,
312.179


 18, 68.163,
312.179


 17, 70.931,
312.129

 20, 63.412,
312.341

 23, 57.218,
312.211

 26, 50.018,
311.872

 30, 42.258,
311.411

 33, 34.260,
310.894

■ 37, 26.234,
310.365

■ 41, 18.303,
309.849

■ 45, 10.538,
309.361

■ 49, 2.973, 308.895

Harmonies

Complementary

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



18, 68.163, 312.179



45, 59.616, 126.779

Rectangle

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



18, 68.163, 312.179



18, 68.163, 2.179



18, 68.163, 132.179



18, 68.163, 182.179

Sweetspot

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



18, 68.163, 312.180



51, 26.721, 310.089



27, 36.075, 278.061



24, 18.667, 310.274



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



18, 68.163, 312.180



23, 86.304, 311.845



28, 64.433, 327.549



23, 4.155, 309.129



17, 72.348, 312.097



40, 123.378, 311.485

Inverse Universe

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



25, 47.501, 357.582



33, 58.750, 0.544



43, 66.407, 136.294



23, 3.371, 343.831



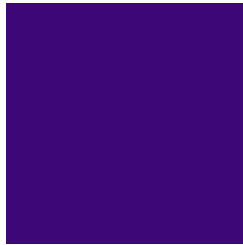
25, 49.484, 359.550



54, 83.457, 2.021

Previews

White Background



This preview shows how the CIELCh color 18, 68.163, 312.179 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, 68.163, 312.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

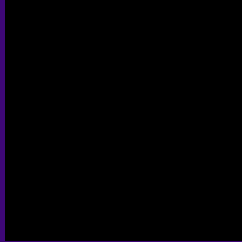
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 68.163, 312.179

Background



This preview shows how black text looks on a background with the CIELCh color 18, 68.163, 312.179.



This preview shows how white text looks on a background with the CIELCh color 18, 68.163, 312.179.

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, 68.163, 312.179

Protanopia

19, 33.978, 282.868

Deuteranopia

19, 24.316, 268.541



Tritanopia
19, 2.440, 256.780

Trichromacy



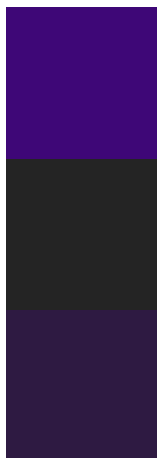
Original Color
18, 68.163, 312.179

Protanomaly
16, 49.416, 299.228

Deuteranomaly
16, 42.901, 297.031

Tritanomaly
17, 29.771, 309.446

Monochromacy



Original Color
18, 68.163, 312.179

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 29.119, 311.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 68.163, 312.179 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(62, 7, 119)` looks like.

```
.text, #text, p{  
    color:rgb(62, 7, 119)  
}
```

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(62, 7, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 7, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 68.163, 312.179 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(62, 7, 119) }
```

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

```
.border{ border-color:rgb(62, 7, 119) }
```

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

Here you see how a box with a 4 pixel rgb(62, 7, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 7, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 7, 119);  
box-shadow:4px 4px 4px 4px rgb(62, 7, 119)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 68.163, 312.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 7, 119) }
```

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

```
.background{ background-color: rgb(62, 7,  
119) }
```

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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