

Converting Colors

CIELCh(18, 70.409, 313.517)

Have a look what the booklet for
CIELCh(18, 70.409, 313.517)
contains.

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Color

CIELCh(18, 70.448, 313.516)

Conversions

Conversions Part 1

Format	Color
Hex	420078
RGB	66, 0, 120
RGB Percent	26%, 0%, 47%
CMY	0.7410, 0.9998, 0.5292
CMYK	0.45, 1.00, 0.00, 0.53
HSL	273°, 100%, 24%
HSV	273°, 100%, 47%
XYZ	5.6432, 2.5180, 17.9717
YIQ	33.4140, 0.8160, 51.3120

Conversions

Conversions Part 2

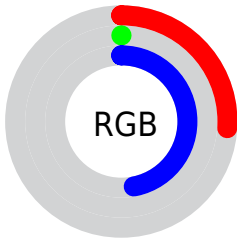
Format	Color
RYB	66, 0, 120
Decimal	4325496
CIELab	18.00, 48.51, -51.09
CIELCh	18, 70.448, 313.516
Yxy	2.5180, 0.2159, 0.0964
Android (android.graphics.Color)	4282515576 (0xFF420078)
YUV	33.4140, 42.6869, 28.5779
Hunter-Lab	15.8683, 35.7101, -56.0411

Details

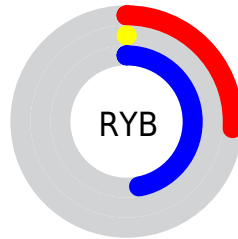
The CIELCh color **18, 70.448, 313.516** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 63.074, 128.996**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 70.201, 313.669**, and **5, 49.145, 305.540** is the 20% darker color. If you saturate the color by 10%, you get **18, 70.466, 313.516**, and if you desaturate by 10%, it is **20, 66.246, 313.765**.

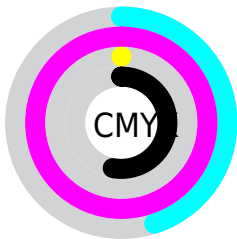
Distribution



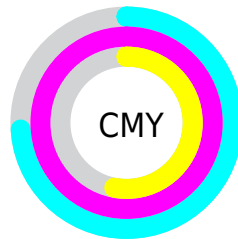
- Red (26%)
- Green (0%)
- Blue (47%)



- Red (26%)
- Yellow (0%)
- Blue (47%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (53%)



- Cyan (74%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 70.448, 313.516 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, 70.448, 313.516 by changing the saturation by 10% instead.

■ 18, 70.448,
313.516

■ 18, 70.448,
313.516

■ 100, 70.448,
313.516

■ 8, 70.448, 313.516

■ 38, 70.448,
313.516

■ 0, 70.448, 313.516

■ 48, 70.448,
313.516


■ 58, 70.448,
313.516


■ 68, 70.448,
313.516


■ 78, 70.448,
313.516


■ 88, 70.448,


313.516


 98, 70.448,
313.516


 18, 70.448,
313.516

 18, 70.448,
313.516


 18, 70.466,
313.516

 20, 66.246,
313.765

 22, 61.148,
313.897

 25, 54.693,
313.765

 28, 47.347,
313.456

 32, 39.506,
313.045

■ 35, 31.458,
312.583

■ 39, 23.388,
312.107

■ 43, 15.412,
311.640

■ 47, 7.597, 311.193

Harmonies

Complementary

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



18, 70.448, 313.516



45, 63.074, 128.996

Rectangle

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



18, 70.448, 313.516



18, 70.448, 3.516



18, 70.448, 133.516



18, 70.448, 183.516

Sweetspot

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



18, 70.448, 313.517



50, 28.975, 312.144



24, 43.870, 286.849



24, 19.985, 312.306



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, 70.448, 313.517



25, 85.230, 313.244



27, 63.739, 330.244



24, 4.360, 311.155



19, 72.549, 313.470



42, 122.739, 312.879

Inverse Universe

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



25, 48.378, 4.848



33, 58.363, 6.115



43, 67.492, 136.690



24, 3.360, 347.139



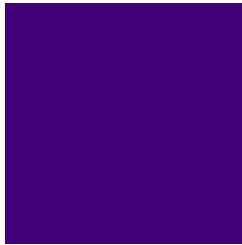
26, 49.792, 5.072



54, 83.804, 7.842

Previews

White Background



This preview shows how the CIELCh color 18, 70.448, 313.516 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, 70.448, 313.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

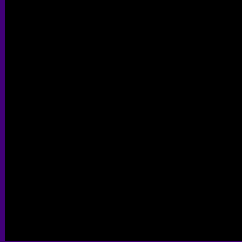
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 70.448, 313.516

Background



This preview shows how black text looks on a background with the CIELCh color 18, 70.448, 313.516.



This preview shows how white text looks on a background with the CIELCh color 18, 70.448, 313.516.

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, 70.448, 313.516

Protanopia
19, 35.167, 283.496

Deuteranopia
19, 24.890, 269.049



Tritanopia
20, 2.260, 314.846

Trichromacy



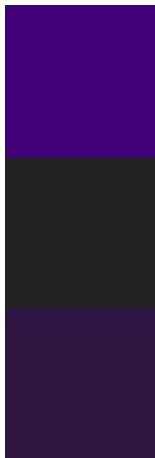
Original Color
18, 70.448, 313.516

Protanomaly
16, 52.034, 300.493

Deuteranomaly
16, 44.989, 298.526

Tritanomaly
17, 32.181, 313.489

Monochromacy



Original Color
18, 70.448, 313.516

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 32.121, 313.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 70.448, 313.516 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(66, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(66, 0, 120)  
}
```

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(66, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 0, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 70.448, 313.516 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(66, 0, 120) }
```

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

```
.border{ border-color:rgb(66, 0, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 0, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(66, 0, 120)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 70.448, 313.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 0, 120) }
```

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

```
.background{ background-color: rgb(66, 0,  
120) }
```

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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