

Converting Colors

CIELCh(18, 69.425, 312.359)

Have a look what the booklet for
CIELCh(18, 69.425, 312.359)
contains.

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Color

CIELCh(18, 69.197, 312.459)

Conversions

Conversions Part 1

Format	Color
Hex	3F0578
RGB	63, 5, 120
RGB Percent	25%, 2%, 47%
CMY	0.7531, 0.9806, 0.5296
CMYK	0.48, 0.96, 0.00, 0.53
HSL	270°, 92%, 24%
HSV	270°, 96%, 47%
XYZ	5.4889, 2.5180, 17.9536
YIQ	35.4520, -2.3470, 48.0610

Conversions

Conversions Part 2

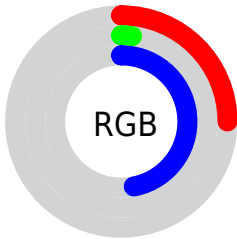
Format	Color
RYB	63, 5, 120
Decimal	4130168
CIELab	18.00, 46.71, -51.05
CIElCh	18, 69.197, 312.459
Yxy	2.5180, 0.2114, 0.0970
Android (android.graphics.Color)	4282320248 (0xFF3F0578)
YUV	35.4520, 41.6822, 24.1596
Hunter-Lab	15.8683, 33.9735, -55.9735

Details

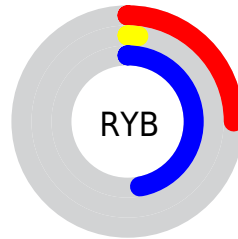
The CIELCh color **18, 69.197, 312.459** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 60.800, 127.355**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 69.087, 312.642**, and **4, 49.109, 304.685** is the 20% darker color. If you saturate the color by 10%, you get **17, 71.098, 312.424**, and if you desaturate by 10%, it is **20, 64.673, 312.669**.

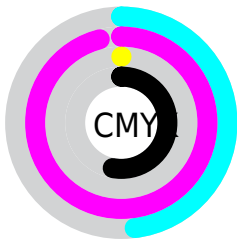
Distribution



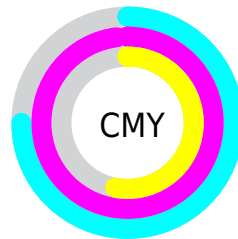
- Red (25%)
- Green (2%)
- Blue (47%)



- Red (25%)
- Yellow (2%)
- Blue (47%)



- Cyan (48%)
- Magenta (96%)
- Yellow (0%)
- Black (53%)





- Cyan (75%)
- Magenta (98%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 69.197, 312.459 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, 69.197, 312.459 by changing the saturation by 10% instead.

 18, 69.197,
312.459

 18, 69.197,
312.459

 100, 69.197,
312.459


 8, 69.197, 312.459


 38, 69.197,
312.459

 0, 69.197, 312.459

 48, 69.197,
312.459

 58, 69.197,
312.459

 68, 69.197,
312.459

 78, 69.197,
312.459


 88, 69.197,


312.459


 98, 69.197,
312.459


 18, 69.197,
312.459


 18, 69.197,
312.459


 17, 71.098,
312.424

 20, 64.673,
312.669

 23, 58.758,
312.615

 26, 51.721,
312.331

 29, 44.026,
311.909

 33, 36.024,
311.417

■ 37, 27.947,
310.902

■ 40, 19.938,
310.393

■ 44, 12.078,
309.908

■ 48, 4.411, 309.449

Harmonies

Complementary

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



18, 69.197, 312.459



45, 60.800, 127.355

Rectangle

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



18, 69.197, 312.459



18, 69.197, 2.459



18, 69.197, 132.459



18, 69.197, 182.459

Sweetspot

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



18, 69.197, 312.460



50, 27.767, 310.586



26, 38.181, 280.621



24, 19.274, 310.764



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, 69.197, 312.460



24, 86.059, 312.148



28, 65.191, 328.182



24, 4.318, 309.595



18, 73.240, 312.376



41, 123.975, 311.781

Inverse Universe

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



25, 47.895, 359.352



33, 58.606, 1.791



43, 67.387, 136.285



24, 3.462, 344.563



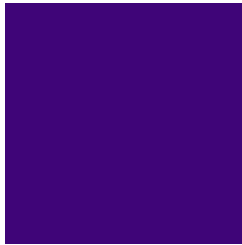
26, 50.070, 0.856



54, 83.943, 3.347

Previews

White Background



This preview shows how the CIELCh color 18, 69.197, 312.459 looks on a white background.

Color Contrast Check

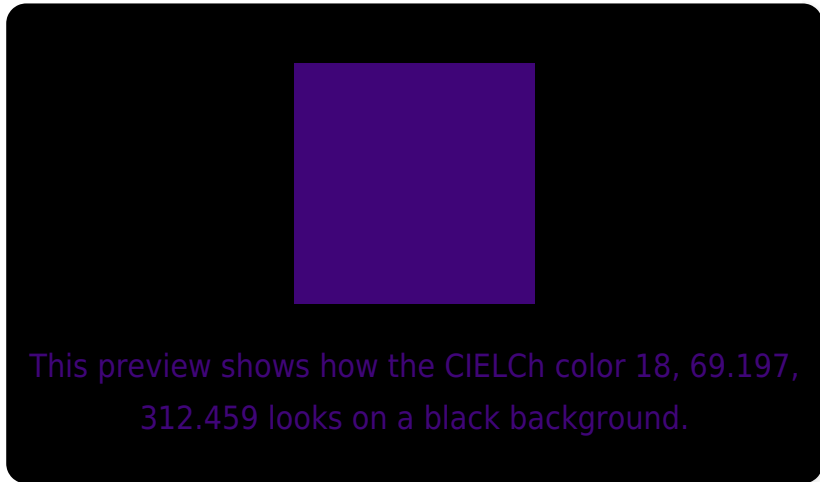
Large Text (above 18pt) WCAG AA ✓ Pass

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

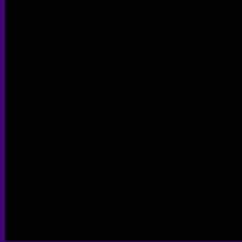
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 69.197, 312.459

Background



This preview shows how black text looks on a background with the CIELCh color 18, 69.197, 312.459.



This preview shows how white text looks on a background with the CIELCh color 18, 69.197, 312.459.

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

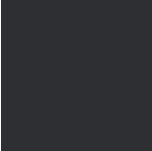
18, 69.197, 312.459

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.316, 268.541



Tritanopia
19, 2.865, 272.445

Trichromacy



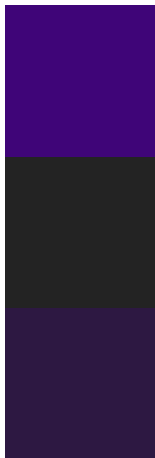
Original Color
18, 69.197, 312.459

Protanomaly
16, 50.747, 299.794

Deuteranomaly
16, 43.641, 297.604

Tritanomaly
17, 31.195, 310.339

Monochromacy



Original Color
18, 69.197, 312.459

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 30.572, 311.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 69.197, 312.459 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(63, 5, 120)` looks like.

```
.text, #text, p{  
    color:rgb(63, 5, 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(63, 5, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 5, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 69.197, 312.459 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(63, 5, 120) }
```

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

```
.border{ border-color:rgb(63, 5, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 5, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 5, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 5, 120);  
box-shadow:4px 4px 4px 4px rgb(63, 5, 120)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 69.197, 312.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 5, 120) }
```

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

```
.background{ background-color: rgb(63, 5,  
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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