

Converting Colors

CIELCh(18, 73.208, 312.424)

Have a look what the booklet for
CIELCh(18, 73.208, 312.424)
contains.

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Color

CIELCh(18, 73.268, 312.366)

Conversions

Conversions Part 1

Format	Color
Hex	3F007D
RGB	63, 0, 125
RGB Percent	25%, 0%, 49%
CMY	0.7539, 1.0000, 0.5107
CMYK	0.50, 1.00, 0.00, 0.51
HSL	270°, 100%, 24%
HSV	270°, 100%, 49%
XYZ	5.7187, 2.5180, 19.5110
YIQ	33.0870, -2.5770, 52.2310

Conversions

Conversions Part 2

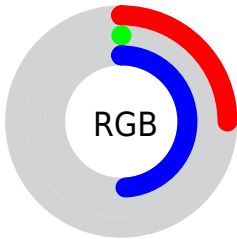
Format	Color
RYB	63, 0, 125
Decimal	4128893
CIELab	18.00, 49.37, -54.13
CIElCh	18, 73.268, 312.366
Yxy	2.5180, 0.2061, 0.0907
Android (android.graphics.Color)	4282318973 (0xFF3F007D)
YUV	33.0870, 45.3131, 26.2337
Hunter-Lab	15.8683, 36.5585, -61.7925

Details

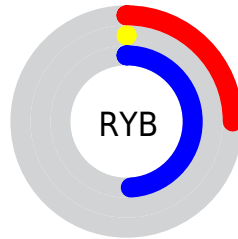
The CIELCh color **18, 73.268, 312.366** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **46, 63.967, 127.589**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 73.320, 312.232**, and **5, 52.715, 304.559** is the 20% darker color. If you saturate the color by 10%, you get **18, 73.187, 312.345**, and if you desaturate by 10%, it is **20, 68.757, 312.557**.

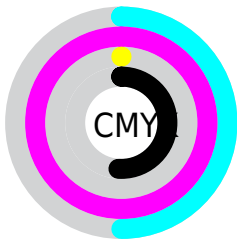
Distribution



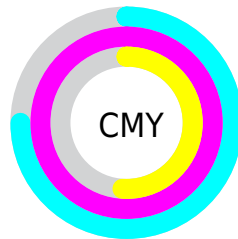
- Red (25%)
- Green (0%)
- Blue (49%)



- Red (25%)
- Yellow (0%)
- Blue (49%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)





- Cyan (75%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 73.268, 312.366 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, 73.268, 312.366 by changing the saturation by 10% instead.

 18, 73.268,
312.366

 18, 73.268,
312.366


 100, 73.268,
312.366


 8, 73.268, 312.366


 38, 73.268,
312.366

 0, 73.268, 312.366

 48, 73.268,
312.366


 58, 73.268,
312.366

 68, 73.268,
312.366


 78, 73.268,
312.366


 88, 73.268,


312.366


 98, 73.268,
312.366


 18, 73.268,
312.366

 18, 73.268,
312.366


 18, 73.187,
312.345

 20, 68.757,
312.557

 23, 63.331,
312.636

 26, 56.506,
312.438

 29, 48.800,
312.063

 33, 40.636,
311.591

■ 36, 32.303,
311.077

■ 40, 23.989,
310.559

■ 44, 15.800,
310.060

■ 48, 7.796, 309.589

Harmonies

Complementary

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



18, 73.268, 312.366



46, 63.967, 127.589

Rectangle

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



18, 73.268, 312.366



18, 73.268, 2.366



18, 73.268, 132.366



18, 73.268, 182.366

Sweetspot

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



18, 73.187, 312.345



52, 29.904, 310.597



27, 41.152, 282.410



25, 20.373, 310.774



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



18, 73.187, 312.345



25, 89.215, 312.070



29, 68.063, 328.233



24, 4.317, 309.545



18, 73.262, 312.343



41, 124.014, 311.748

Inverse Universe

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



26, 50.034, 0.718



35, 60.706, 1.839



45, 70.543, 136.016



24, 3.466, 344.484



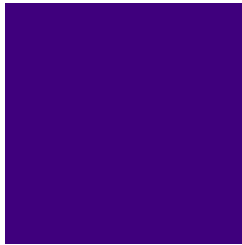
26, 50.084, 0.725



54, 83.958, 3.207

Previews

White Background



This preview shows how the CIE LCh color 18, 73.268, 312.366 looks on a white background.

Color Contrast Check

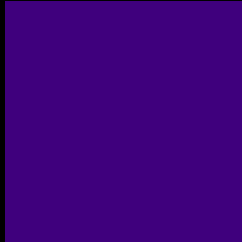
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.268, 312.366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

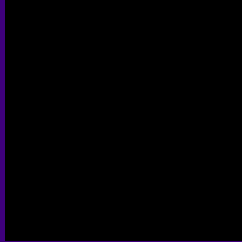
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 73.268, 312.366

Background



This preview shows how black text looks on a background with the CIELCh color 18, 73.268, 312.366.



This preview shows how white text looks on a background with the CIELCh color 18, 73.268, 312.366.

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

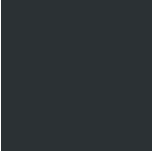
18, 73.268, 312.366

Protanopia

19, 35.167, 283.496

Deuteranopia

19, 24.890, 269.049



Tritanopia
20, 3.322, 237.123

Trichromacy



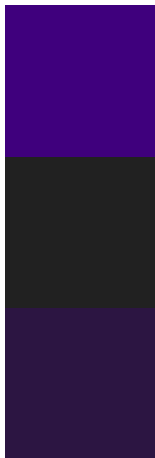
Original Color
18, 73.268, 312.366

Protanomaly
16, 53.284, 300.520

Deuteranomaly
16, 46.282, 298.584

Tritanomaly
17, 33.133, 308.993

Monochromacy



Original Color
18, 73.268, 312.366

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 32.722, 312.409

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 18, 73.268, 312.366 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, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(63, 0, 125)  
}
```

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, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 0, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 73.268, 312.366 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, 0, 125) }
```

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

```
.border{ border-color:rgb(63, 0, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 0, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(63, 0, 125)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 73.268, 312.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 0, 125) }
```

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

```
.background{ background-color: rgb(63, 0,  
125) }
```

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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