

Converting Colors

CIELCh(18, 63.011, 318.013)

Have a look what the booklet for
CIELCh(18, 63.011, 318.013)
contains.

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Color

CIELCh(18, 62.533, 318.072)

Conversions

Conversions Part 1

Format	Color
Hex	4B006A
RGB	75, 0, 106
RGB Percent	29%, 0%, 42%
CMY	0.7067, 1.0000, 0.5851
CMYK	0.29, 1.00, 0.00, 0.59
HSL	282°, 100%, 21%
HSV	282°, 100%, 41%
XYZ	5.4728, 2.5180, 13.7764
YIQ	34.5090, 10.6740, 48.8660

Conversions

Conversions Part 2

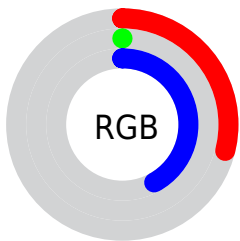
Format	Color
RYB	75, 0, 106
Decimal	4915306
CIELab	18.00, 46.52, -41.78
CIElCh	18, 62.533, 318.072
Yxy	2.5180, 0.2514, 0.1157
Android (android.graphics.Color)	4283105386 (0xFF4B006A)
YUV	34.5090, 35.2451, 35.5106
Hunter-Lab	15.8683, 33.7928, -40.3660

Details

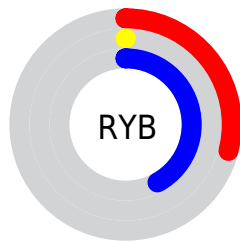
The CIELCh color **18, 62.533, 318.072** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **39, 60.011, 132.602**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 62.676, 318.146**, and **5, 40.921, 311.285** is the 20% darker color. If you saturate the color by 10%, you get **18, 62.452, 318.055**, and if you desaturate by 10%, it is **20, 58.941, 318.290**.

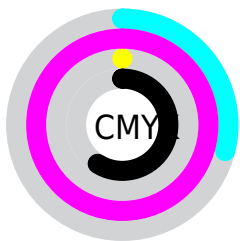
Distribution



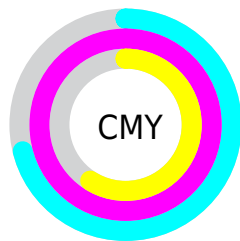
- Red (29%)
- Green (0%)
- Blue (42%)



- Red (29%)
- Yellow (0%)
- Blue (42%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (59%)





- Cyan (71%)
- Magenta (100%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 62.533, 318.072 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, 62.533, 318.072 by changing the saturation by 10% instead.

 18, 62.533,
318.072

 18, 62.533,
318.072


 100, 62.533,
318.072


 8, 62.533, 318.072


 38, 62.533,
318.072

 0, 62.533, 318.072

 48, 62.533,
318.072

 58, 62.533,
318.072


 68, 62.533,
318.072


 78, 62.533,
318.072


 88, 62.533,


318.072

 98, 62.533,
318.072

 18, 62.533,
318.072


 18, 62.533,
318.072

 18, 62.452,
318.055

 20, 58.941,
318.290

 21, 54.829,
318.463

 23, 49.468,
318.424

 26, 43.188,
318.229

 29, 36.311,
317.928

■ 32, 29.102,
317.561

■ 35, 21.756,
317.159

■ 38, 14.405,
316.745

■ 41, 7.137, 316.330

Harmonies

Complementary

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



18, 62.533, 318.072



39, 60.011, 132.602

Rectangle

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



18, 62.533, 318.072



18, 62.533, 8.072



18, 62.533, 138.072



18, 62.533, 188.072

Sweetspot

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



18, 62.452, 318.055



45, 27.023, 317.194



16, 51.077, 296.506



21, 18.323, 317.317



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



18, 62.452, 318.055



25, 75.541, 317.804



23, 52.202, 337.553



21, 4.047, 316.287



21, 67.245, 317.950



46, 116.064, 317.420

Inverse Universe

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



21, 45.339, 18.500



28, 55.205, 20.228



38, 57.711, 139.486



21, 2.743, 357.171



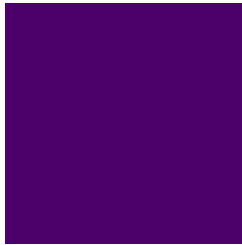
23, 48.947, 19.224



52, 85.848, 22.839

Previews

White Background



This preview shows how the CIE LCh color 18, 62.533, 318.072 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, 62.533, 318.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

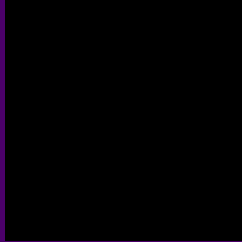
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 62.533, 318.072

Background



This preview shows how black text looks on a background with the CIELCh color 18, 62.533, 318.072.



This preview shows how white text looks on a background with the CIELCh color 18, 62.533, 318.072.

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, 62.533, 318.072

Protanopia
19, 35.791, 284.013

Deuteranopia
19, 26.019, 271.104



Tritanopia
19, 11.520, 12.101

Trichromacy



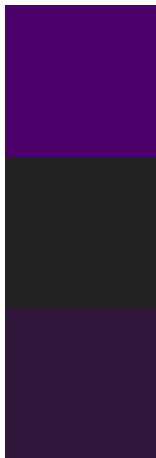
Original Color
18, 62.533, 318.072

Protanomaly
16, 49.480, 300.690

Deuteranomaly
16, 42.999, 298.872

Tritanomaly
17, 31.103, 328.689

Monochromacy



Original Color
18, 62.533, 318.072

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 28.544, 318.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 62.533, 318.072 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(75, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 106)  
}
```

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(75, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 62.533, 318.072 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(75, 0, 106) }
```

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

```
.border{ border-color:rgb(75, 0, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 0, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(75, 0, 106)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 62.533, 318.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 106) }
```

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

```
.background{ background-color: rgb(75, 0,  
106) }
```

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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