

Converting Colors

CIELCh(18, 67.986, 314.043)

Have a look what the booklet for
CIELCh(18, 67.986, 314.043)
contains.

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Color

CIELCh(18, 68.204, 313.953)

Conversions

Conversions Part 1

Format	Color
Hex	430275
RGB	67, 2, 117
RGB Percent	26%, 1%, 46%
CMY	0.7374, 0.9923, 0.5413
CMYK	0.43, 0.98, 0.00, 0.54
HSL	274°, 97%, 23%
HSV	274°, 98%, 46%
XYZ	5.5424, 2.5180, 17.0128
YIQ	34.5450, 1.8250, 49.5450

Conversions

Conversions Part 2

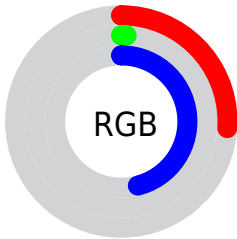
Format	Color
RYB	67, 2, 117
Decimal	4391541
CIELab	18.00, 47.34, -49.10
CIELCh	18, 68.204, 313.953
Yxy	2.5180, 0.2210, 0.1004
Android (android.graphics.Color)	4282581621 (0xFF430275)
YUV	34.5450, 40.6503, 28.4630
Hunter-Lab	15.8683, 34.5753, -52.4583

Details

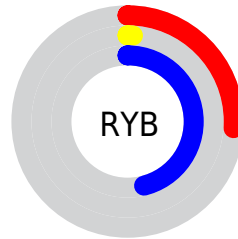
The CIELCh color **18, 68.204, 313.953** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **43, 61.609, 129.336**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 68.099, 313.947**, and **5, 47.731, 306.188** is the 20% darker color. If you saturate the color by 10%, you get **18, 68.937, 313.932**, and if you desaturate by 10%, it is **20, 64.083, 314.220**.

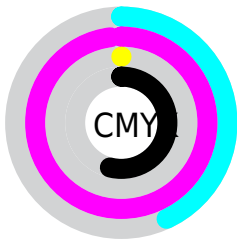
Distribution



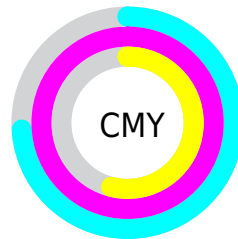
- Red (26%)
- Green (1%)
- Blue (46%)



- Red (26%)
- Yellow (1%)
- Blue (46%)



- Cyan (43%)
- Magenta (98%)
- Yellow (0%)
- Black (54%)





- Cyan (74%)
- Magenta (99%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 68.204, 313.953 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, 68.204, 313.953 by changing the saturation by 10% instead.

 18, 68.204,
313.953

 18, 68.204,
313.953

 100, 68.204,
313.953


 8, 68.204, 313.953


 38, 68.204,
313.953

 0, 68.204, 313.953

 48, 68.204,
313.953

 58, 68.204,
313.953


 68, 68.204,
313.953


 78, 68.204,
313.953


 88, 68.204,


313.953


 98, 68.204,
313.953


 18, 68.204,
313.953


 18, 68.204,
313.953


 18, 68.937,
313.932

 20, 64.083,
314.220

 22, 58.881,
314.313

 25, 52.426,
314.162

 28, 45.162,
313.850

 31, 37.455,
313.443

■ 35, 29.566,
312.992

■ 39, 21.668,
312.528

■ 42, 13.868,
312.073

■ 46, 6.226, 311.635

Harmonies

Complementary

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



18, 68.204, 313.953



43, 61.609, 129.336

Rectangle

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



18, 68.204, 313.953



18, 68.204, 3.953



18, 68.204, 133.953



18, 68.204, 183.953

Sweetspot

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



18, 68.204, 313.954



50, 27.679, 312.594



23, 42.191, 286.146



23, 18.937, 312.750



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



18, 68.204, 313.954



25, 83.923, 313.647



27, 62.211, 330.194



23, 4.221, 311.666



19, 71.246, 313.879



42, 121.388, 313.275

Inverse Universe

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



24, 47.100, 5.542



32, 57.665, 7.499



42, 65.771, 136.803



23, 3.211, 348.026



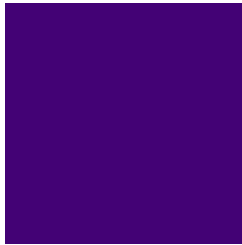
25, 49.039, 6.387



53, 83.248, 9.322

Previews

White Background



This preview shows how the CIELCh color 18, 68.204, 313.953 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, 68.204, 313.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

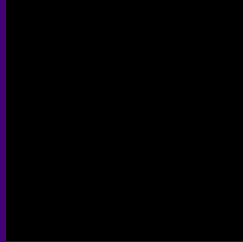
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 68.204, 313.953

Background



This preview shows how black text looks on a background with the CIELCh color 18, 68.204, 313.953.



This preview shows how white text looks on a background with the CIELCh color 18, 68.204, 313.953.

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

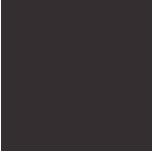
18, 68.204, 313.953

Protanopia

19, 34.543, 282.961

Deuteranopia

19, 24.890, 269.049



Tritanopia
20, 3.499, 344.416

Trichromacy



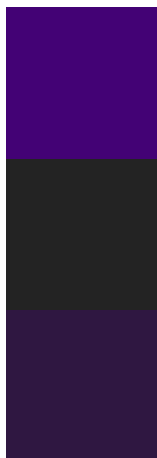
Original Color
18, 68.204, 313.953

Protanomaly
16, 50.718, 299.969

Deuteranomaly
16, 43.617, 297.839

Tritanomaly
17, 31.686, 315.248

Monochromacy



Original Color
18, 68.204, 313.953

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 30.752, 314.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 68.204, 313.953 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(67, 2, 117)` looks like.

```
.text, #text, p{  
    color:rgb(67, 2, 117)  
}
```

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(67, 2, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 2, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 68.204, 313.953 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(67, 2, 117) }
```

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

```
.border{ border-color:rgb(67, 2, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 2, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 2, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 2, 117);  
box-shadow:4px 4px 4px 4px rgb(67, 2, 117)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 68.204, 313.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 2, 117) }
```

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

```
.background{ background-color: rgb(67, 2,  
117) }
```

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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