

Converting Colors

CIELCh(18, 69.218, 313.679)

Have a look what the booklet for
CIELCh(18, 69.218, 313.679)
contains.

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Color

CIELCh(18, 69.137, 313.684)

Conversions

Conversions Part 1

Format	Color
Hex	420176
RGB	66, 1, 118
RGB Percent	26%, 0%, 46%
CMY	0.7397, 0.9945, 0.5359
CMYK	0.44, 0.99, 0.00, 0.54
HSL	273°, 98%, 23%
HSV	273°, 99%, 46%
XYZ	5.5779, 2.5180, 17.4411
YIQ	33.7730, 1.1830, 50.1670

Conversions

Conversions Part 2

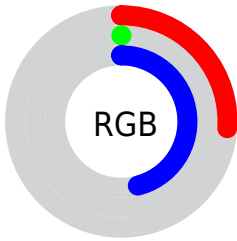
Format	Color
R_{YB}	66, 1, 118
Decimal	4325750
CIE _{Lab}	18.00, 47.75, -50.00
CIE _{LCh}	18, 69.137, 313.684
Yxy	2.5180, 0.2184, 0.0986
Android (android.graphics.Color)	4282515830 (0xFF420176)
YUV	33.7730, 41.5239, 28.2631
Hunter-Lab	15.8683, 34.9749, -54.0585

Details

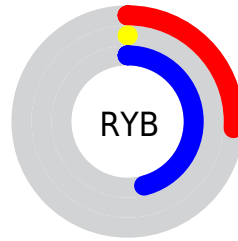
The CIELCh color **18, 69.137, 313.684** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **44, 62.131, 129.089**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 69.172, 313.682**, and **4, 47.705, 305.698** is the 20% darker color. If you saturate the color by 10%, you get **18, 69.666, 313.670**, and if you desaturate by 10%, it is **20, 64.972, 313.945**.

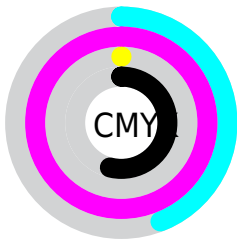
Distribution



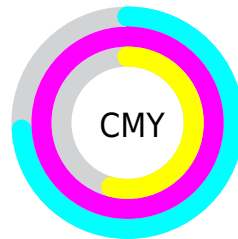
- Red (26%)
- Green (0%)
- Blue (46%)



- Red (26%)
- Yellow (0%)
- Blue (46%)



- Cyan (44%)
- Magenta (99%)
- Yellow (0%)
- Black (54%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 69.137, 313.684 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, 69.137, 313.684 by changing the saturation by 10% instead.

 18, 69.137,
313.684

 18, 69.137,
313.684

 100, 69.137,
313.684


 8, 69.137, 313.684

 38, 69.137,
313.684

 0, 69.137, 313.684

 48, 69.137,
313.684

 58, 69.137,
313.684


 68, 69.137,
313.684

 78, 69.137,
313.684


 88, 69.137,


313.684


 98, 69.137,
313.684


 18, 69.137,
313.684


 18, 69.137,
313.684


 18, 69.666,
313.670

 20, 64.972,
313.945

 22, 59.762,
314.044

 25, 53.267,
313.892

 28, 45.941,
313.575

 32, 38.161,
313.162

■ 35, 30.197,
312.702

■ 39, 22.224,
312.231

■ 43, 14.352,
311.770

■ 46, 6.640, 311.328

Harmonies

Complementary

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



18, 69.137, 313.684



44, 62.131, 129.089

Rectangle

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



18, 69.137, 313.684



18, 69.137, 3.684



18, 69.137, 133.684



18, 69.137, 183.684

Sweetspot

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



18, 69.137, 313.685



49, 28.612, 312.322



24, 42.826, 286.375



23, 19.462, 312.477



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, 69.137, 313.685



24, 84.095, 313.398



27, 62.845, 330.210



23, 4.212, 311.337



19, 71.388, 313.631



42, 121.646, 313.024

Inverse Universe

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



24, 47.629, 4.877



32, 57.657, 6.566



43, 66.478, 136.766



23, 3.231, 347.452



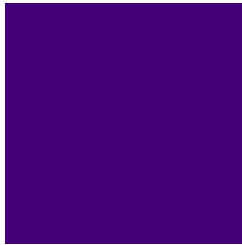
25, 49.050, 5.476



53, 83.185, 8.356

Previews

White Background



This preview shows how the CIELCh color 18, 69.137, 313.684 looks on a white background.

Color Contrast Check

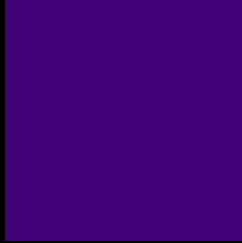
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.137, 313.684 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, 69.137, 313.684

Background



This preview shows how black text looks on a background with the CIELCh color 18, 69.137, 313.684.



This preview shows how white text looks on a background with the CIELCh color 18, 69.137, 313.684.

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, 69.137, 313.684

Protanopia

19, 34.543, 282.961

Deuteranopia

19, 24.890, 269.049



Tritanopia
19, 3.324, 324.777

Trichromacy



Original Color
18, 69.137, 313.684

Protanomaly
16, 50.718, 299.969

Deuteranomaly
16, 44.256, 297.989

Tritanomaly
17, 32.232, 314.168

Monochromacy



Original Color
18, 69.137, 313.684

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 31.436, 313.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 69.137, 313.684 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, 1, 118)` looks like.

```
.text, #text, p{  
    color:rgb(66, 1, 118)  
}
```

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, 1, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 1, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 69.137, 313.684 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, 1, 118) }
```

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

```
.border{ border-color:rgb(66, 1, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 1, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 1, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 1, 118);  
box-shadow:4px 4px 4px 4px rgb(66, 1, 118)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 69.137, 313.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 1, 118) }
```

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

```
.background{ background-color: rgb(66, 1,  
118) }
```

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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