

Converting Colors

XYZ(18.0318, 7.4400, 84.6871)

Have a look what the booklet for
XYZ(18.0318, 7.4400, 84.6871)
contains.

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Color

**XYZ(18.0136, 7.4349,
84.4901)**

Conversions

Conversions Part 1

Format	Color
Hex	3E00F2
RGB	62, 0, 242
RGB Percent	24%, 0%, 95%
CMY	0.7568, 1.0000, 0.0510
CMYK	0.74, 1.00, 0.00, 0.05
HSL	255°, 100%, 47%
HSV	255°, 100%, 95%
XYZ	18.0136, 7.4349, 84.4901
YIQ	46.1260, -40.7300, 88.4060

Conversions

Conversions Part 2

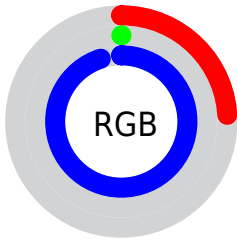
Format	Color
RYB	62, 0, 242
Decimal	4063474
CIELab	32.78, 76.96, -99.69
CIELCh	33, 125.937, 307.668
Yxy	7.4349, 0.1639, 0.0676
Android (android.graphics.Color)	4282253554 (0xFF3E00F2)
YUV	46.1260, 96.5659, 13.9215
Hunter-Lab	27.2670, 70.2064, -164.6302

Details

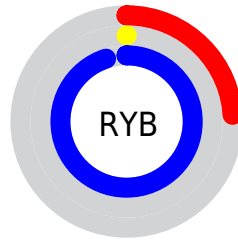
The XYZ color **18.0136, 7.4349, 84.4901** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **50.5717, 73.2063, 11.4648**, and the grayscale version is **2.5170, 2.6481, 2.8838**.

A 20% lighter version of the original color is **31.0800, 17.4741, 96.3425**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **18.0145, 7.4354, 84.4904**, and if you desaturate by 10%, it is **19.6671, 8.7784, 84.6626**.

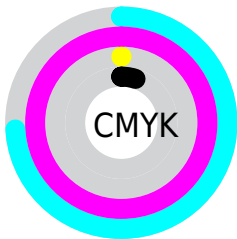
Distribution



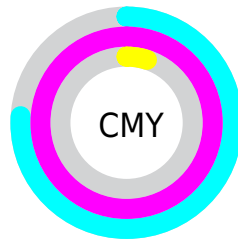
- Red (24%)
- Green (0%)
- Blue (95%)



- Red (24%)
- Yellow (0%)
- Blue (95%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (76%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0136, 7.4349, 84.4901 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 XYZ color 18.0136, 7.4349, 84.4901 by changing the saturation by 10% instead.


 18.0136, 7.4349,
84.4901

 18.0136, 7.4349,
84.4901


233.9918,
171.2300, 530.0398

 11.0595, 3.7355,
62.8724


 39.5904, 20.8429,
141.5284


 6.1745, 1.5268,
45.2977


 54.9438, 31.3204,
177.7861


 2.9931, 0.3074,
31.3473


 73.8277, 44.8260,
219.7608

 1.1501, 0.0000,
20.6028

 96.6074, 61.7441,
267.8712

 0.0664, 0.0000,
12.6455

 123.6483, 82.4592,
322.5358


 0.0000, 0.0000,
7.0571


 155.3158,


 0.0000, 0.0000,


107.3556, 384.1730


3.4188


 191.9752,
136.8177, 453.2015

 0.0000, 0.0000,
1.3123


 0.0000, 0.0000,
0.0718


 18.0136, 7.4349,
84.4901


 18.0136, 7.4349,
84.4901

 18.0145, 7.4354,
84.4904

 19.6671, 8.7784,
84.6626

 22.1386, 11.1549,
84.9910

 25.5871, 14.8372,
85.5200

 30.1161, 19.9923,
86.2764

■ 35.8146, 26.7617,
87.2826

■ 42.7619, 35.2695,
88.5587

■ 51.0297, 45.6278,
90.1222

■ 60.6845, 57.9390,
91.9897

■ 71.7877, 72.2977,
94.1760

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



8.9001, 7.4349, 124.0916



18.0136, 7.4349, 84.4901



26.5231, 7.4349, 31.2688

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.0136, 7.4349, 84.4901



13.0734, 7.4349, 0.0000



0.4021, 7.4349, 13.9821

Complementary

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



18.0136, 7.4349, 84.4901



50.5717, 73.2063, 11.4648

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.6052, 7.4349, 0.6054



18.0136, 7.4349, 84.4901



5.5041, 7.4349, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.0136, 7.4349, 84.4901



22.6378, 7.4349, 0.0000



1.8006, 7.4349, 0.0000



1.0276, 7.4349, 56.8596

Rectangle

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



18.0136, 7.4349, 84.4901



28.8637, 7.4349, 9.6672



1.8006, 7.4349, 0.0000



0.3771, 7.4349, 6.7038

Sweetspot

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



18.0145, 7.4354, 84.4904



57.3860, 51.2799, 101.4812



32.6529, 39.6624, 89.9394



11.4016, 9.8659, 21.5533



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.0145, 7.4354, 84.4904



20.2528, 8.3556, 95.1531



35.2007, 16.2952, 85.2947



15.2769, 15.4245, 19.8936



9.7843, 4.0494, 45.3938



0.9032, 0.3829, 3.7805

Inverse Universe

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



44.8550, 22.1721, 45.0888



50.4967, 24.9627, 50.6749



33.6461, 64.4808, 10.6727



16.2712, 15.9582, 18.9842



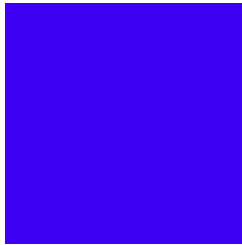
24.1548, 11.9343, 24.5293



2.0495, 1.0088, 2.2514

Previews

White Background



This preview shows how the XYZ color 18.0136, 7.4349, 84.4901 looks on a white background.

Color Contrast Check

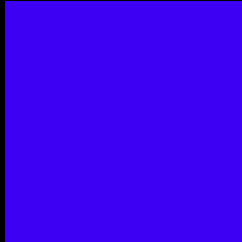
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 18.0136, 7.4349, 84.4901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

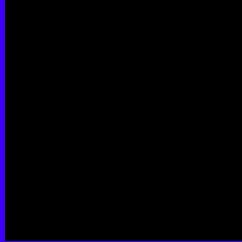
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0136, 7.4349, 84.4901

Background



This preview shows how black text looks on a background with the XYZ color 18.0136, 7.4349, 84.4901.



This preview shows how white text looks on a background with the XYZ color 18.0136, 7.4349,

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

18.0136, 7.4349, 84.4901

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.2455, 7.6061, 23.6405



Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

18.0136, 7.4349, 84.4901

Protanomaly

10.5956, 5.9702, 48.7380

Deuteranomaly

9.1242, 5.6553, 40.1458

Tritanomaly

6.9078, 4.9899, 27.7932

Monochromacy



Original Color

18.0136, 7.4349, 84.4901

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

5.0664, 2.8931, 17.1210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0136, 7.4349, 84.4901 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(62, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(62, 0, 242)  
}
```

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(62, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 18.0136, 7.4349, 84.4901 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(62, 0, 242) }
```


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

```
.border{ border-color:rgb(62, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(62, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0136, 7.4349, 84.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 0, 242) }
```

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

```
.background{ background-color: rgb(62, 0,  
242) }
```

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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