

Converting Colors

XYZ(18.1150, 7.4382, 86.7072)

Have a look what the booklet for
XYZ(18.1150, 7.4382, 86.7072)
contains.

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Color

**XYZ(18.1688, 7.4624,
86.8690)**

Conversions

Conversions Part 1

Format	Color
Hex	3900F5
RGB	57, 0, 245
RGB Percent	22%, 0%, 96%
CMY	0.7764, 1.0000, 0.0392
CMYK	0.77, 1.00, 0.00, 0.04
HSL	254°, 100%, 48%
HSV	254°, 100%, 96%
XYZ	18.1688, 7.4624, 86.8690
YIQ	44.9730, -44.6730, 88.2790

Conversions

Conversions Part 2

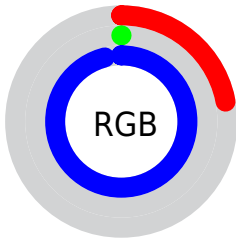
Format	Color
RYB	57, 0, 245
Decimal	3735797
CIELab	32.84, 77.52, -101.29
CIElCh	33, 127.553, 307.428
Yxy	7.4624, 0.1615, 0.0663
Android (android.graphics.Color)	4281925877 (0xFF3900F5)
YUV	44.9730, 98.6133, 10.5477
Hunter-Lab	27.3174, 70.9149, -169.4193

Details

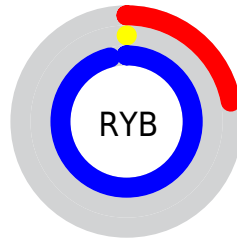
The XYZ color **18.1688, 7.4624, 86.8690** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **53.3877, 75.9944, 11.8546**, and the grayscale version is **2.3994, 2.5244, 2.7491**.

A 20% lighter version of the original color is **30.5859, 17.2193, 96.3193**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **18.1697, 7.4629, 86.8694**, and if you desaturate by 10%, it is **19.7843, 8.7956, 87.0415**.

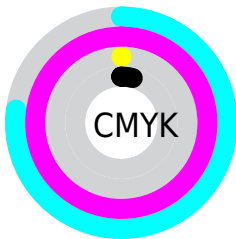
Distribution



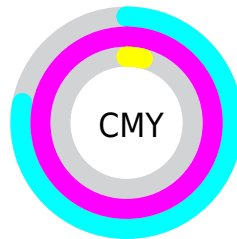
- Red (22%)
- Green (0%)
- Blue (96%)



- Red (22%)
- Yellow (0%)
- Blue (96%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)



- Cyan (78%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1688, 7.4624, 86.8690 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 18.1688, 7.4624, 86.8690 by changing the saturation by 10% instead.

■ 18.1688, 7.4624,
86.8690

■ 18.1688, 7.4624,
86.8690

234.8480,
171.4524, 538.0973

■ 11.1717, 3.7529,
64.8278

■ 39.8526, 20.8976,
144.8788

■ 6.2506, 1.5363,
46.8710

■ 55.2699, 31.3921,
181.6845

■ 3.0401, 0.3141,
32.5801

■ 74.2247, 44.9170,
224.2487

■ 1.1750, 0.0000,
21.5365

■ 97.0824, 61.8568,
272.9900

■ 0.0865, 0.0000,
13.3217

■ 124.2081, 82.5958,
328.3270

■ 0.0000, 0.0000,
7.5171


■ 155.9674,


■ 0.0000, 0.0000,


107.5185, 390.6782


3.7042


 192.7256,
137.0093, 460.4621

 0.0000, 0.0000,
1.4645


 0.0000, 0.0000,
0.1913


 18.1688, 7.4624,
86.8690


 18.1688, 7.4624,
86.8690

 18.1697, 7.4629,
86.8694

 19.7843, 8.7956,
87.0415

 22.2590, 11.2014,
87.3754

 25.7601, 14.9617,
87.9167

 30.3977, 20.2505,
88.6931

■ 36.2666, 27.2149,
89.7281

■ 43.4510, 35.9846,
91.0421

■ 52.0275, 46.6762,
92.6538

■ 62.0665, 59.3962,
94.5799

■ 73.6336, 74.2435,
96.8360

Harmonies

Analogous

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



8.8935, 7.4624, 127.2828



18.1688, 7.4624, 86.8690



26.9023, 7.4624, 32.1384

Triad

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



18.1688, 7.4624, 86.8690



13.2823, 7.4624, 0.0000



0.3676, 7.4624, 13.8946

Complementary

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



18.1688, 7.4624, 86.8690



53.3877, 75.9944, 11.8546

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.



0.5800, 7.4624, 0.5352



18.1688, 7.4624, 86.8690



5.5532, 7.4624, 0.0000

Square

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



18.1688, 7.4624, 86.8690



23.0488, 7.4624, 0.0000



1.7882, 7.4624, 0.0000



0.9905, 7.4624, 57.5691

Rectangle

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



18.1688, 7.4624, 86.8690



29.3432, 7.4624, 9.8978



1.7882, 7.4624, 0.0000



0.3446, 7.4624, 6.5781

Sweetspot

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



18.1697, 7.4629, 86.8694



56.9139, 51.0366, 101.4591



35.3129, 44.2554, 93.0675



11.2925, 9.8097, 21.5482



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.



18.1697, 7.4629, 86.8694



19.8740, 8.1603, 95.1354



34.2920, 15.7742, 87.6239



15.9420, 16.1128, 20.8124



9.8886, 4.0721, 46.8028



0.9561, 0.4027, 4.1176

Inverse Universe

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



46.7318, 23.0427, 49.5528



51.1648, 25.2299, 54.1932



35.1364, 66.5856, 11.0004



17.0390, 16.6985, 19.9520



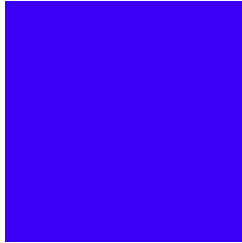
25.2312, 12.4359, 26.9895



2.2566, 1.1086, 2.5778

Previews

White Background



This preview shows how the XYZ color 18.1688, 7.4624, 86.8690 looks on a white background.

Color Contrast Check

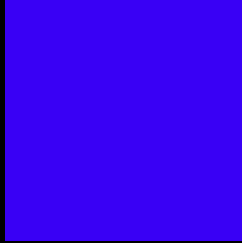
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1688, 7.4624, 86.8690 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 18.1688, 7.4624, 86.8690

Background



This preview shows how black text looks on a background with the XYZ color 18.1688, 7.4624, 86.8690.



This preview shows how white text looks on a background with the XYZ color 18.1688, 7.4624,

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

18.1688, 7.4624, 86.8690

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.2455, 7.6061, 23.6405



Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

18.1688, 7.4624, 86.8690

Protanomaly

10.6605, 5.9910, 49.3097

Deuteranomaly

9.1772, 5.6714, 40.6554

Tritanomaly

6.9419, 4.9984, 28.2027

Monochromacy



Original Color

18.1688, 7.4624, 86.8690

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

4.9760, 2.8397, 17.4254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1688, 7.4624, 86.8690 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(57, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(57, 0, 245)  
}
```

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(57, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 18.1688, 7.4624, 86.8690 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(57, 0, 245) }
```


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

```
.border{ border-color:rgb(57, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(57, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(57, 0, 245)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1688, 7.4624, 86.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 0, 245) }
```

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

```
.background{ background-color: rgb(57, 0,  
245) }
```

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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