

Converting Colors

XYZ(16.8718, 6.9142, 87.8007)

Have a look what the booklet for
XYZ(16.8718, 6.9142, 87.8007)
contains.

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Color

**XYZ(16.8449, 6.9073,
87.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	0909F6
RGB	9, 9, 246
RGB Percent	4%, 4%, 96%
CMY	0.9644, 0.9648, 0.0353
CMYK	0.96, 0.96, 0.00, 0.04
HSL	240°, 93%, 50%
HSV	240°, 96%, 96%
XYZ	16.8449, 6.9073, 87.6342
YIQ	36.0180, -76.0770, 73.7070

Conversions

Conversions Part 2

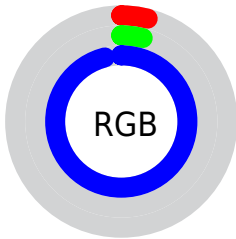
Format	Color
R _Y B	9, 9, 246
Decimal	592374
CIE Lab	31.59, 75.70, -103.98
CIE LCh	32, 128.617, 306.057
Yxy	6.9073, 0.1512, 0.0620
Android (android.graphics.Color)	4278782454 (0xFF0909F6)
YUV	36.0180, 103.5211, -23.6948
Hunter-Lab	26.2817, 68.4139, -179.3002

Details

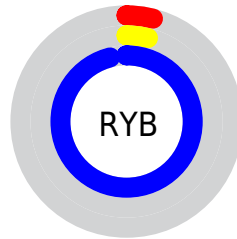
The XYZ color **16.8449, 6.9073, 87.6342** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **70.9794, 85.5079, 13.0215**, and the grayscale version is **1.6036, 1.6871, 1.8373**.

A 20% lighter version of the original color is **28.1783, 15.9782, 96.2067**, and **9.0771, 3.6308, 47.7994** is the 20% darker color. If you saturate the color by 10%, you get **16.6358, 6.6545, 87.5967**, and if you desaturate by 10%, it is **17.8432, 8.1083, 87.8137**.

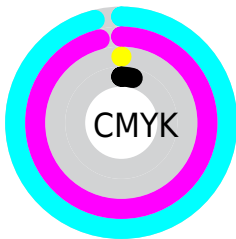
Distribution



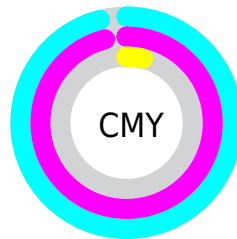
- Red (4%)
- Green (4%)
- Blue (96%)



- Red (4%)
- Yellow (4%)
- Blue (96%)



- Cyan (96%)
- Magenta (96%)
- Yellow (0%)
- Black (4%)



- Cyan (96%)
- Magenta (96%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8449, 6.9073, 87.6342 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 16.8449, 6.9073, 87.6342 by changing the saturation by 10% instead.

■ 16.8449, 6.9073,
87.6342

■ 16.8449, 6.9073,
87.6342

227.4507,
166.8912, 540.6748

■ 10.2186, 3.4042,
65.4575

■ 37.6046, 19.7865,
145.9544

■ 5.6075, 1.3462,
47.3785

■ 52.4688, 29.9313,
182.9351

■ 2.6463, 0.1766,
32.9785

■ 70.8096, 43.0589,
225.6875

■ 0.9696, 0.0000,
21.8390

■ 92.9923, 59.5536,
274.6302

■ 0.0000, 0.0000,
13.5414

■ 119.3825, 79.7998,
330.1818


■ 0.0000, 0.0000,
7.6673


■ 150.3454,


■ 0.0000, 0.0000,


104.1818, 392.7607

3.7981


 186.2463,
133.0842, 462.7855

 0.0000, 0.0000,
1.5153


 0.0000, 0.0000,
0.2293


 16.8449, 6.9073,
87.6342

 16.8449, 6.9073,
87.6342

 16.6358, 6.6545,
87.5967

 17.8432, 8.1083,
87.8137

 19.9162, 10.6050,
88.1864

 23.2642, 14.6382,
88.7884

 28.0472, 20.4009,
89.6486

■ 34.4021, 28.0578,
90.7916

■ 42.4495, 37.7545,
92.2391

■ 52.2985, 49.6225,
94.0108

■ 64.0490, 63.7822,
96.1245

■ 77.7935, 80.3450,
98.5971

Harmonies

Analogous

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



7.9563, 6.9073, 125.9718



16.8449, 6.9073, 87.6342



25.5520, 6.9073, 32.9360

Triad

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



16.8449, 6.9073, 87.6342



12.9593, 6.9073, 0.0000



0.2023, 6.9073, 11.9037

Complementary

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



16.8449, 6.9073, 87.6342



70.9794, 85.5079, 13.0215

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.



0.4549, 6.9073, 0.1593



16.8449, 6.9073, 87.6342



5.3465, 6.9073, 0.0000

Square

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



16.8449, 6.9073, 87.6342



22.4618, 6.9073, 0.0000



1.6493, 6.9073, 0.0000



0.7862, 6.9073, 53.4426

Rectangle

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



16.8449, 6.9073, 87.6342



28.1949, 6.9073, 10.2239



1.6493, 6.9073, 0.0000



0.1922, 6.9073, 5.3419

Sweetspot

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



16.8456, 6.9073, 87.6345



53.6585, 50.1213, 101.4540



49.7029, 72.6236, 98.5872



10.5049, 9.5469, 21.5390



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.



16.8456, 6.9073, 87.6345



18.0512, 7.2206, 95.0501



25.5575, 11.3984, 88.0422



15.5818, 15.9271, 20.7955



8.8798, 3.5520, 46.7556



0.7806, 0.3123, 4.1094

Inverse Universe

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



54.7243, 26.4361, 89.3343



59.2742, 28.4737, 96.8971



41.8305, 70.4811, 11.6573



17.2134, 16.7682, 20.8704



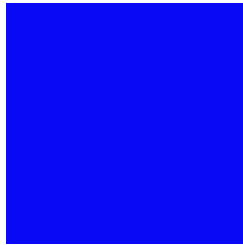
29.1574, 14.0064, 47.6649



2.5627, 1.2311, 4.1897

Previews

White Background



This preview shows how the XYZ color 16.8449, 6.9073, 87.6342 looks on a white background.

Color Contrast Check

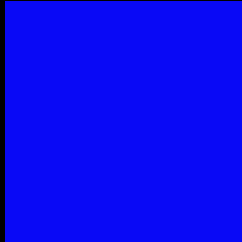
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8449, 6.9073, 87.6342 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 16.8449, 6.9073, 87.6342

Background



This preview shows how black text looks on a background with the XYZ color 16.8449, 6.9073, 87.6342.



This preview shows how white text looks on a background with the XYZ color 16.8449, 6.9073,

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

16.8449, 6.9073, 87.6342

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.8449, 6.9073, 87.6342

Protanomaly

9.9988, 5.7612, 47.0394

Deuteranomaly

8.6162, 5.4156, 39.1193

Tritanomaly

6.5626, 4.8920, 27.3864

Monochromacy



Original Color

16.8449, 6.9073, 87.6342

Achromatopsia

1.6769, 1.7642, 1.9212

Achromatomaly

3.7200, 2.1283, 15.5440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8449, 6.9073, 87.6342 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(9, 9, 246)` looks like.

```
.text, #text, p{  
    color:rgb(9, 9, 246)  
}
```

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(9, 9, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 9, 246) }
```

Border

The CSS property to change the border of an element to XYZ 16.8449, 6.9073, 87.6342 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(9, 9, 246) }
```


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

```
.border{ border-color:rgb(9, 9, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 9, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 9, 246); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 9, 246); box-shadow:4px  
4px 4px 4px rgb(9, 9, 246) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8449, 6.9073, 87.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 9, 246) }
```

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

```
.background{ background-color: rgb(9, 9,  
246) }
```

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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