

Converting Colors

XYZ(16.8659, 6.9265, 87.4368)

Have a look what the booklet for
XYZ(16.8659, 6.9265, 87.4368)
contains.

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Color

**XYZ(16.8982, 6.9348,
87.6367)**

Conversions

Conversions Part 1

Format	Color
Hex	0D09F6
RGB	13, 9, 246
RGB Percent	5%, 4%, 96%
CMY	0.9488, 0.9648, 0.0353
CMYK	0.95, 0.96, 0.00, 0.04
HSL	241°, 93%, 50%
HSV	241°, 96%, 96%
XYZ	16.8982, 6.9348, 87.6367
YIQ	37.2140, -73.6930, 74.5550

Conversions

Conversions Part 2

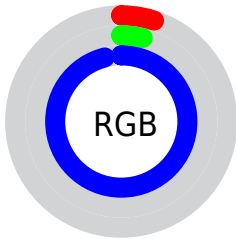
Format	Color
R _Y B	13, 9, 246
Decimal	854518
CIE Lab	31.66, 75.73, -103.87
CIE LCh	32, 128.544, 306.094
Yxy	6.9348, 0.1516, 0.0622
Android (android.graphics.Color)	4279044598 (0xFF0D09F6)
YUV	37.2140, 102.9315, -21.2357
Hunter-Lab	26.3340, 68.4567, -178.8768

Details

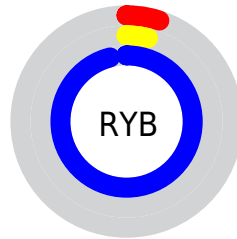
The XYZ color **16.8982, 6.9348, 87.6367** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **69.5970, 84.7953, 12.9568**, and the grayscale version is **1.6991, 1.7875, 1.9466**.

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 **16.6876, 6.6811, 87.5992**, and if you desaturate by 10%, it is **17.9660, 8.1717, 87.8195**.

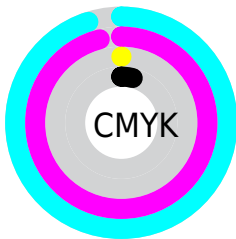
Distribution



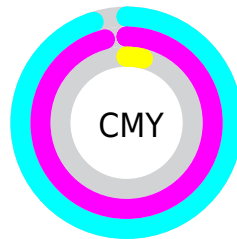
- Red (5%)
- Green (4%)
- Blue (96%)



- Red (5%)
- Yellow (4%)
- Blue (96%)



- Cyan (95%)
- Magenta (96%)
- Yellow (0%)
- Black (4%)



- Cyan (95%)
- Magenta (96%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8982, 6.9348, 87.6367 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 16.8982, 6.9348, 87.6367 by changing the saturation by 10% instead.

■ 16.8982, 6.9348,
87.6367

■ 16.8982, 6.9348,
87.6367

227.7527,
167.1208, 540.6832

■ 10.2568, 3.4214,
65.4596

■ 37.6957, 19.8419,
145.9579

■ 5.6331, 1.3555,
47.3801

■ 52.5824, 30.0044,
182.9392

■ 2.6618, 0.1836,
32.9798

■ 70.9483, 43.1520,
225.6922

■ 0.9776, 0.0000,
21.8400

■ 93.1588, 59.6691,
274.6356

■ 0.0000, 0.0000,
13.5422

■ 119.5791, 79.9402,
330.1878


■ 0.0000, 0.0000,
7.6678


■ 150.5746,


■ 0.0000, 0.0000,

104.3496, 392.7675

3.7984

 186.5107,
133.2816, 462.7931

 0.0000, 0.0000,
1.5154


 0.0000, 0.0000,
0.2294


 16.8982, 6.9348,
87.6367


 16.8982, 6.9348,
87.6367

 16.6876, 6.6811,
87.5992

 17.9660, 8.1717,
87.8195

 20.1065, 10.7033,
88.1953

 23.5109, 14.7656,
88.8000

 28.3330, 20.5485,
89.6620

■ 34.7052, 28.2144,
90.8058

■ 42.7443, 37.9069,
92.2530

■ 52.5562, 49.7558,
94.0229

■ 64.2377, 63.8800,
96.1335

■ 77.8790, 80.3897,
98.6012

Harmonies

Analogous

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



7.9941, 6.9348, 126.0224



16.8982, 6.9348, 87.6367



25.6089, 6.9348, 32.9390

Triad

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



16.8982, 6.9348, 87.6367



12.9846, 6.9348, 0.0000



0.2109, 6.9348, 11.9722

Complementary

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



16.8982, 6.9348, 87.6367



69.5970, 84.7953, 12.9568

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.



0.4624, 6.9348, 0.1742



16.8982, 6.9348, 87.6367



5.3631, 6.9348, 0.0000

Square

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



16.8982, 6.9348, 87.6367



22.4977, 6.9348, 0.0000



1.6588, 6.9348, 0.0000



0.7955, 6.9348, 53.5777

Rectangle

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



16.8982, 6.9348, 87.6367



28.2471, 6.9348, 10.2312



1.6588, 6.9348, 0.0000



0.2004, 6.9348, 5.3849

Sweetspot

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



16.8989, 6.9348, 87.6370



53.9515, 50.2724, 101.4677



48.5140, 70.2459, 98.1909



10.5714, 9.5811, 21.5421



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.



16.8989, 6.9348, 87.6370



18.1049, 7.2483, 95.0526



26.1605, 11.7093, 88.0704



15.6075, 15.9403, 20.7968



8.9190, 3.5722, 46.7574



0.7930, 0.3187, 4.1099

Inverse Universe

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



54.1192, 26.1941, 86.1482



58.5919, 28.2007, 93.3036



41.2509, 70.1823, 11.6303



17.2006, 16.7631, 20.8030



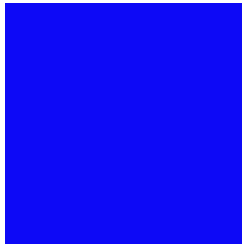
28.8281, 13.8747, 45.9303



2.5376, 1.2210, 4.0572

Previews

White Background



This preview shows how the XYZ color 16.8982, 6.9348, 87.6367 looks on a white background.

Color Contrast Check

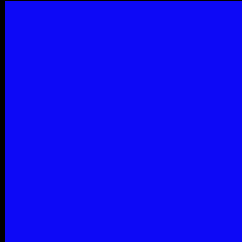
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8982, 6.9348, 87.6367 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 16.8982, 6.9348, 87.6367

Background



This preview shows how black text looks on a background with the XYZ color 16.8982, 6.9348, 87.6367.



This preview shows how white text looks on a background with the XYZ color 16.8982, 6.9348,

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

16.8982, 6.9348, 87.6367

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.8982, 6.9348, 87.6367

Protanomaly

10.0238, 5.7741, 47.0406

Deuteranomaly

8.6413, 5.4285, 39.1204

Tritanomaly

6.5876, 4.9049, 27.3876

Monochromacy



Original Color

16.8982, 6.9348, 87.6367

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

3.8515, 2.2230, 15.8489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8982, 6.9348, 87.6367 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(13, 9, 246)` looks like.

```
.text, #text, p{  
  color:rgb(13, 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(13, 9, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 9, 246) }
```

Border

The CSS property to change the border of an element to XYZ 16.8982, 6.9348, 87.6367 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(13, 9, 246) }
```


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

```
.border{ border-color:rgb(13, 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(13, 9, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 9, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 9, 246);  
box-shadow:4px 4px 4px 4px rgb(13, 9, 246)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8982, 6.9348, 87.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 9, 246) }
```

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

```
.background{ background-color: rgb(13, 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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