

Converting Colors

XYZ(16.9002, 7.0669, 88.0492)

Have a look what the booklet for
XYZ(16.9002, 7.0669, 88.0492)
contains.

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Color

**XYZ(16.8198, 7.0244,
87.6581)**

Conversions

Conversions Part 1

Format	Color
Hex	0010F6
RGB	0, 16, 246
RGB Percent	0%, 6%, 96%
CMY	0.9997, 0.9373, 0.0353
CMYK	1.00, 0.94, 0.00, 0.04
HSL	236°, 100%, 48%
HSV	236°, 100%, 96%
XYZ	16.8198, 7.0244, 87.6581
YIQ	37.4360, -83.3660, 68.1380

Conversions

Conversions Part 2

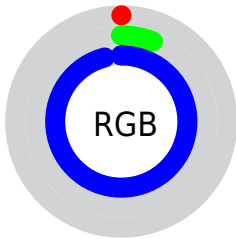
Format	Color
RYB	0, 15, 246
Decimal	4342
CIELab	31.86, 74.41, -103.53
CIELCh	32, 127.499, 305.705
Yxy	7.0244, 0.1508, 0.0630
Android (android.graphics.Color)	4278194422 (0xFF0010F6)
YUV	37.4360, 102.8221, -32.8314
Hunter-Lab	26.5036, 66.8990, -177.5436

Details

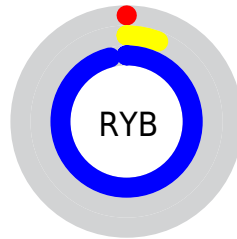
The XYZ color **16.8198, 7.0244, 87.6581** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **66.3264, 76.2328, 11.2205**, and the grayscale version is **1.7182, 1.8077, 1.9686**.

A 20% lighter version of the original color is **28.1057, 16.2404, 96.2611**, and **9.0771, 3.6308, 47.7994** is the 20% darker color. If you saturate the color by 10%, you get **16.8187, 7.0221, 87.6580**, and if you desaturate by 10%, it is **17.7526, 8.3068, 87.8568**.

Distribution



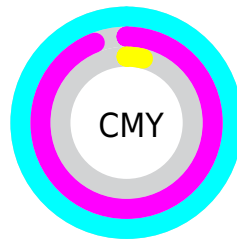
- Red (0%)
- Green (6%)
- Blue (96%)



- Red (0%)
- Yellow (6%)
- Blue (96%)



- Cyan (100%)
- Magenta (94%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (94%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8198, 7.0244, 87.6581 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 16.8198, 7.0244, 87.6581 by changing the saturation by 10% instead.

■ 16.8198, 7.0244,
87.6581

■ 16.8198, 7.0244,
87.6581

227.3083,
167.8663, 540.7552

■ 10.2006, 3.4774,
65.4772

■ 37.5618, 20.0223,
145.9880

■ 5.5955, 1.3857,
47.3943

■ 52.4152, 30.2419,
182.9741

■ 2.6390, 0.2062,
32.9909

■ 70.7442, 43.4545,
225.7324

■ 0.9659, 0.0000,
21.8484

■ 92.9139, 60.0445,
274.6814

■ 0.0000, 0.0000,
13.5483

■ 119.2899, 80.3963,
330.2396


■ 0.0000, 0.0000,
7.6721


■ 150.2374,


■ 0.0000, 0.0000,


104.8943, 392.8257


3.8011


 186.1217,
133.9228, 462.8580

 0.0000, 0.0000,
1.5169


 0.0000, 0.0000,
0.2304


 16.8198, 7.0244,
87.6581


 16.8198, 7.0244,
87.6581

 16.8187, 7.0221,
87.6580

 17.7526, 8.3068,
87.8568

 19.6367, 10.7586,
88.2307

 22.6974, 14.6025,
88.8114

 27.0862, 20.0048,
89.6228

■ 32.9319, 27.1085,
90.6858

■ 40.3478, 36.0400,
92.0189

■ 49.4362, 46.9142,
93.6389

■ 60.2907, 59.8362,
95.5610

■ 72.9978, 74.9037,
97.7995

Harmonies

Analogous

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



7.9842, 7.0244, 124.9490



16.8198, 7.0244, 87.6581



25.5073, 7.0244, 33.4707

Triad

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



16.8198, 7.0244, 87.6581



13.1742, 7.0244, 0.0000



0.2556, 7.0244, 11.7416

Complementary

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



16.8198, 7.0244, 87.6581



66.3264, 76.2328, 11.2205

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.



0.5158, 7.0244, 0.1732



16.8198, 7.0244, 87.6581



5.5200, 7.0244, 0.0000

Square

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



16.8198, 7.0244, 87.6581



22.6166, 7.0244, 0.0000



1.7446, 7.0244, 0.0000



0.8252, 7.0244, 52.6023

Rectangle

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



16.8198, 7.0244, 87.6581



28.1903, 7.0244, 10.6223



1.7446, 7.0244, 0.0000



0.2489, 7.0244, 5.2889

Sweetspot

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



16.8205, 7.0244, 87.6584



53.5518, 50.7977, 101.5902



47.1842, 71.6032, 85.9062



10.5232, 9.7510, 21.5774



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.



16.8205, 7.0244, 87.6584



18.2428, 7.6057, 95.1143



22.6553, 9.7587, 87.8786



15.6673, 16.0988, 20.8242



9.0109, 3.8157, 46.7996



0.8216, 0.3946, 4.1231

Inverse Universe

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



38.1003, 19.6317, 2.2708



41.3373, 21.2989, 2.4426



43.6755, 71.4379, 11.4889



16.5426, 16.4999, 17.3380



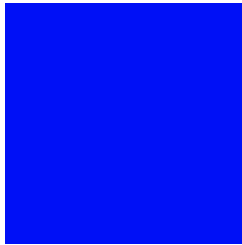
20.3528, 10.4846, 1.3004



1.8038, 0.9275, 0.1930

Previews

White Background



This preview shows how the XYZ color 16.8198, 7.0244, 87.6581 looks on a white background.

Color Contrast Check

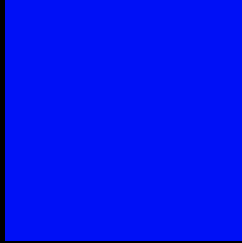
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8198, 7.0244, 87.6581 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 16.8198, 7.0244, 87.6581

Background



This preview shows how black text looks on a background with the XYZ color 16.8198, 7.0244, 87.6581.



This preview shows how white text looks on a background with the XYZ color 16.8198, 7.0244,

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

16.8198, 7.0244, 87.6581

Protanopia

8.0500, 7.0321, 30.6388

Deuteranopia

6.6868, 7.0338, 21.7741



Tritanopia

4.8906, 7.0288, 10.1157

Trichromacy



Original Color

16.8198, 7.0244, 87.6581

Protanomaly

10.0909, 6.0012, 47.0809

Deuteranomaly

8.8126, 5.7109, 39.6676

Tritanomaly

6.6748, 5.1723, 27.4346

Monochromacy



Original Color

16.8198, 7.0244, 87.6581

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

3.7967, 2.2652, 15.8599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8198, 7.0244, 87.6581 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(0, 16, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 16, 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(0, 16, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 16, 246) }
```

Border

The CSS property to change the border of an element to XYZ 16.8198, 7.0244, 87.6581 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(0, 16, 246) }
```


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

```
.border{ border-color:rgb(0, 16, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 16, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 16, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 16, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 16, 246)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8198, 7.0244, 87.6581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 16, 246) }
```

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

```
.background{ background-color: rgb(0, 16,  
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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