

Converting Colors

XYZ(16.3562, 7.0090, 84.6922)

Have a look what the booklet for
XYZ(16.3562, 7.0090, 84.6922)
contains.

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Color

**XYZ(16.3139, 6.9846,
84.4927)**

Conversions

Conversions Part 1

Format	Color
Hex	0016F2
RGB	0, 22, 242
RGB Percent	0%, 9%, 95%
CMY	0.9997, 0.9138, 0.0510
CMYK	1.00, 0.91, 0.00, 0.05
HSL	235°, 100%, 47%
HSV	235°, 100%, 95%
XYZ	16.3139, 6.9846, 84.4927
YIQ	40.5020, -83.7320, 63.7560

Conversions

Conversions Part 2

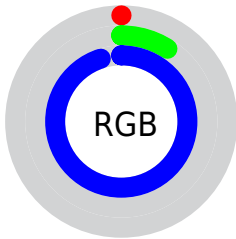
Format	Color
RYB	0, 20, 242
Decimal	5874
CIELab	31.77, 71.96, -101.42
CIELCh	32, 124.356, 305.355
Yxy	6.9846, 0.1513, 0.0648
Android (android.graphics.Color)	4278195954 (0xFF0016F2)
YUV	40.5020, 99.3385, -35.5203
Hunter-Lab	26.4284, 63.9360, -171.0528

Details

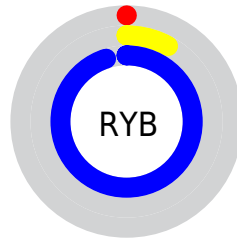
The XYZ color **16.3139, 6.9846, 84.4927** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **62.2328, 70.1061, 10.2537**, and the grayscale version is **1.9823, 2.0856, 2.2712**.

A 20% lighter version of the original color is **28.1821, 16.5939, 96.3253**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.3126, 6.9818, 84.4925**, and if you desaturate by 10%, it is **17.3106, 8.4093, 84.7155**.

Distribution



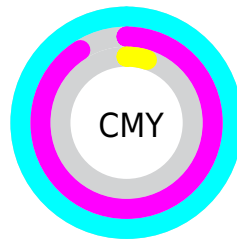
- Red (0%)
- Green (9%)
- Blue (95%)



- Red (0%)
- Yellow (8%)
- Blue (95%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (91%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3139, 6.9846, 84.4927 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 16.3139, 6.9846, 84.4927 by changing the saturation by 10% instead.

■ 16.3139, 6.9846,
84.4927

■ 16.3139, 6.9846,
84.4927

224.4211,
167.5357, 530.0487

■ 9.8388, 3.4525,
62.8746

■ 36.6954, 19.9422,
141.5320

■ 5.3537, 1.3723,
45.2994

■ 51.3324, 30.1365,
177.7903

■ 2.4931, 0.1962,
31.3486

■ 69.4209, 43.3203,
219.7657

■ 0.8918, 0.0000,
20.6038

■ 91.3260, 59.8780,
267.8768

■ 0.0000, 0.0000,
12.6463

■ 117.4133, 80.1940,
322.5421


■ 0.0000, 0.0000,
7.0576


■ 148.0480,


■ 0.0000, 0.0000,


104.6527, 384.1802


3.4191


 183.5955,
133.6384, 453.2095


 0.0000, 0.0000,
1.3124


 0.0000, 0.0000,
0.0719


 16.3139, 6.9846,
84.4927


 16.3139, 6.9846,
84.4927

 16.3126, 6.9818,
84.4925

 17.3106, 8.4093,
84.7155

 19.2165, 10.9473,
85.1049

 22.2401, 14.7953,
85.6883

 26.5204, 20.1004,
86.4867

■ 32.1762, 26.9897,
87.5184

■ 39.3121, 35.5765,
88.7997

■ 48.0227, 45.9636,
90.3455

■ 58.3946, 58.2456,
92.1695

■ 70.5082, 72.5105,
94.2844

Harmonies

Analogous

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



7.8257, 6.9846, 119.2891



16.3139, 6.9846, 84.4927



24.6696, 6.9846, 32.9100

Triad

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



16.3139, 6.9846, 84.4927



13.0232, 6.9846, 0.0000



0.3206, 6.9846, 11.2942

Complementary

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



16.3139, 6.9846, 84.4927



62.2328, 70.1061, 10.2537

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.



0.5839, 6.9846, 0.2044



16.3139, 6.9846, 84.4927



5.5782, 6.9846, 0.0000

Square

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



16.3139, 6.9846, 84.4927



22.0733, 6.9846, 0.0000



1.8277, 6.9846, 0.0000



0.8675, 6.9846, 50.0222

Rectangle

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



16.3139, 6.9846, 84.4927



27.2911, 6.9846, 10.7494



1.8277, 6.9846, 0.0000



0.3173, 6.9846, 5.1428

Sweetspot

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



16.3146, 6.9846, 84.4930



53.9643, 51.6228, 101.7277



44.3827, 68.5568, 77.0909



10.6170, 9.9384, 21.6087



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.



16.3146, 6.9846, 84.4930



18.3585, 7.8369, 95.1528



20.9406, 8.9449, 84.6275



15.0124, 15.4589, 19.9142



8.8047, 3.8336, 45.4038



0.7714, 0.3968, 3.7902

Inverse Universe

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



36.7635, 18.9366, 2.4759



41.3957, 21.3223, 2.7499



43.4697, 69.5450, 11.1344



15.8309, 15.7821, 16.6660



19.7698, 10.1804, 1.4385



1.6643, 0.8548, 0.2232

Previews

White Background



This preview shows how the XYZ color 16.3139, 6.9846, 84.4927 looks on a white background.

Color Contrast Check

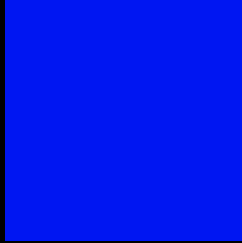
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3139, 6.9846, 84.4927 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 16.3139, 6.9846, 84.4927

Background



This preview shows how black text looks on a background with the XYZ color 16.3139, 6.9846, 84.4927.



This preview shows how white text looks on a background with the XYZ color 16.3139, 6.9846,

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

16.3139, 6.9846, 84.4927

Protanopia

7.9849, 6.9017, 30.6171

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.3139, 6.9846, 84.4927

Protanomaly

10.0761, 6.1411, 46.5532

Deuteranomaly

8.6246, 5.7908, 38.1993

Tritanomaly

6.6267, 5.3207, 26.6643

Monochromacy



Original Color

16.3139, 6.9846, 84.4927

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

4.0353, 2.5786, 16.2046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3139, 6.9846, 84.4927 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, 22, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 22, 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(0, 22, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 22, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.3139, 6.9846, 84.4927 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, 22, 242) }
```


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

```
.border{ border-color:rgb(0, 22, 242) }
```

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

Here you see how a box with a 4 pixel rgb(0, 22, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 22, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 22, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 22, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3139, 6.9846, 84.4927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 22, 242) }
```

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

```
.background{ background-color: rgb(0, 22,  
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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