

Converting Colors

XYZ(16.9546, 6.9610, 88.7291)

Have a look what the booklet for
XYZ(16.9546, 6.9610, 88.7291)
contains.

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Color

**XYZ(16.8970, 6.9325,
88.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	000AF7
RGB	0, 10, 247
RGB Percent	0%, 4%, 97%
CMY	0.9997, 0.9609, 0.0314
CMYK	1.00, 0.96, 0.00, 0.03
HSL	238°, 100%, 48%
HSV	238°, 100%, 97%
XYZ	16.8970, 6.9325, 88.4432
YIQ	34.0280, -82.0370, 71.5870

Conversions

Conversions Part 2

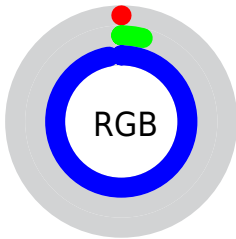
Format	Color
RYB	0, 10, 247
Decimal	2807
CIELab	31.65, 75.74, -104.45
CIELCh	32, 129.021, 305.949
Yxy	6.9325, 0.1505, 0.0617
Android (android.graphics.Color)	4278192887 (0xFF000AF7)
YUV	34.0280, 104.9952, -29.8426
Hunter-Lab	26.3296, 68.4752, -180.7287

Details

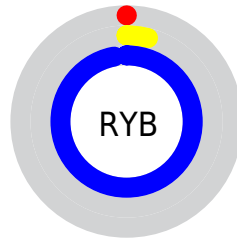
The XYZ color **16.8970, 6.9325, 88.4432** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **68.6679, 80.3936, 11.9002**, and the grayscale version is **1.4513, 1.5268, 1.6627**.

A 20% lighter version of the original color is **28.1065, 16.0395, 96.2223**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **16.8962, 6.9307, 88.4432**, and if you desaturate by 10%, it is **17.7468, 8.0454, 88.6135**.

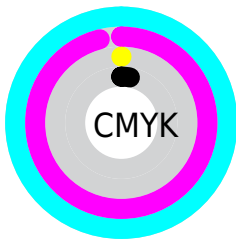
Distribution



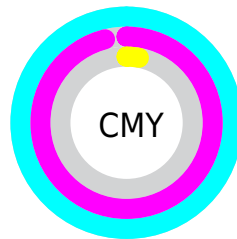
- Red (0%)
- Green (4%)
- Blue (97%)



- Red (0%)
- Yellow (4%)
- Blue (97%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (96%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8970, 6.9325, 88.4432 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 16.8970, 6.9325, 88.4432 by changing the saturation by 10% instead.

■ 16.8970, 6.9325,
88.4432

■ 16.8970, 6.9325,
88.4432

227.7460,
167.1016, 543.3924

■ 10.2559, 3.4199,
66.1238

■ 37.6936, 19.8373,
147.0906

■ 5.6325, 1.3547,
47.9158

■ 52.5799, 29.9983,
184.2556

■ 2.6615, 0.1830,
33.4007

■ 70.9452, 43.1442,
227.2062

■ 0.9774, 0.0000,
22.1599

■ 93.1550, 59.6595,
276.3610

■ 0.0000, 0.0000,
13.7750

■ 119.5746, 79.9285,
332.1385

■ 0.0000, 0.0000,
7.8274


■ 150.5694,


■ 0.0000, 0.0000,

104.3355, 394.9572

3.8985

 186.5048,
133.2651, 465.2356

 0.0000, 0.0000,
1.5698


 0.0000, 0.0000,
0.2692


 16.8970, 6.9325,
88.4432


 16.8970, 6.9325,
88.4432

 16.8962, 6.9307,
88.4432

 17.7468, 8.0454,
88.6135

 19.5605, 10.3455,
88.9619

 22.5756, 14.0782,
89.5235

 26.9520, 19.4255,
90.3250

■ 32.8255, 26.5429,
91.3892

■ 40.3150, 35.5672,
92.7363

■ 49.5278, 46.6222,
94.3846

■ 60.5619, 59.8209,
96.3506

■ 73.5077, 75.2682,
98.6499

Harmonies

Analogous

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



7.9615, 6.9325, 126.9239



16.8970, 6.9325, 88.4432



25.6756, 6.9325, 33.2961

Triad

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



16.8970, 6.9325, 88.4432



13.0558, 6.9325, 0.0000



0.1979, 6.9325, 11.8660

Complementary

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



16.8970, 6.9325, 88.4432



68.6679, 80.3936, 11.9002

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.



0.4544, 6.9325, 0.1391



16.8970, 6.9325, 88.4432



5.3843, 6.9325, 0.0000

Square

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



16.8970, 6.9325, 88.4432



22.6191, 6.9325, 0.0000



1.6573, 6.9325, 0.0000



0.7808, 6.9325, 53.5848

Rectangle

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



16.8970, 6.9325, 88.4432



28.3565, 6.9325, 10.3499



1.6573, 6.9325, 0.0000



0.1888, 6.9325, 5.3043

Sweetspot

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



16.8977, 6.9325, 88.4435



53.1652, 50.0246, 101.4614



48.2071, 72.5003, 89.7883



10.4357, 9.5758, 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.



16.8977, 6.9325, 88.4435



18.1611, 7.4422, 95.0870



23.3683, 10.1085, 88.7155



15.6345, 16.0333, 20.8133



8.9600, 3.7138, 46.7826



0.8059, 0.3633, 4.1179

Inverse Universe

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



38.4133, 19.7975, 2.0832



41.2961, 21.2824, 2.2253



43.3951, 71.7461, 11.5631



16.5261, 16.4933, 17.2510



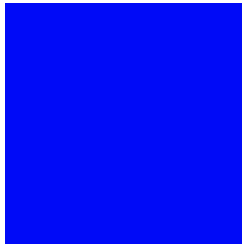
20.3271, 10.4743, 1.1650



1.7959, 0.9243, 0.1514

Previews

White Background



This preview shows how the XYZ color 16.8970, 6.9325, 88.4432 looks on a white background.

Color Contrast Check

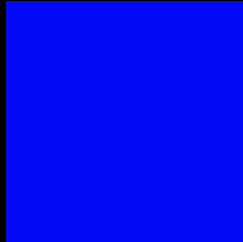
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8970, 6.9325, 88.4432 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 16.8970, 6.9325, 88.4432

Background



This preview shows how black text looks on a background with the XYZ color 16.8970, 6.9325, 88.4432.



This preview shows how white text looks on a background with the XYZ color 16.8970, 6.9325,

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

16.8970, 6.9325, 88.4432

Protanopia

7.9849, 6.9017, 30.6171

Deuteranopia

6.6163, 6.8927, 21.7506

Trichromacy



Original Color

16.8970, 6.9325, 88.4432

Protanomaly

10.0680, 5.7845, 47.5996

Deuteranomaly

8.7195, 5.5248, 39.6365

Monochromacy



Original Color

16.8970, 6.9325, 88.4432

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

3.5478, 2.0135, 15.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8970, 6.9325, 88.4432 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, 10, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 10, 247)  
}
```

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, 10, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 10, 247) }
```

Border

The CSS property to change the border of an element to XYZ 16.8970, 6.9325, 88.4432 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, 10, 247) }
```

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

```
.border{ border-color:rgb(0, 10, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 10, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 10, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 10, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 10, 247)  
}
```


Background

The CSS property to change the background color of an element to XYZ 16.8970, 6.9325, 88.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 10, 247) }
```

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

```
.background{ background-color: rgb(0, 10,  
247) }
```

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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