

Converting Colors

XYZ(16.8004, 7.0012, 87.0061)

Have a look what the booklet for
XYZ(16.8004, 7.0012, 87.0061)
contains.

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Color

**XYZ(16.7774, 6.9987,
86.8528)**

Conversions

Conversions Part 1

Format	Color
Hex	0A0FF5
RGB	10, 15, 245
RGB Percent	4%, 6%, 96%
CMY	0.9605, 0.9413, 0.0392
CMYK	0.96, 0.94, 0.00, 0.04
HSL	239°, 92%, 50%
HSV	239°, 96%, 96%
XYZ	16.7774, 6.9987, 86.8528
YIQ	39.7250, -76.8100, 70.4700

Conversions

Conversions Part 2

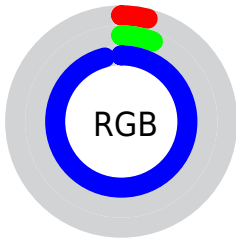
Format	Color
R _Y B	10, 15, 245
Decimal	659445
CIE Lab	31.80, 74.43, -103.06
CIE LCh	32, 127.127, 305.835
Yxy	6.9987, 0.1517, 0.0633
Android (android.graphics.Color)	4278849525 (0xFF0A0FF5)
YUV	39.7250, 101.2006, -26.0688
Hunter-Lab	26.4551, 66.9057, -176.1324

Details

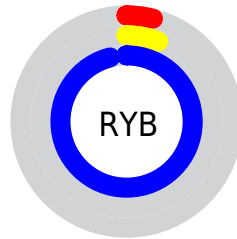
The XYZ color **16.7774, 6.9987, 86.8528** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **68.8978, 81.8073, 12.4482**, and the grayscale version is **1.9118, 2.0114, 2.1904**.

A 20% lighter version of the original color is **28.2422, 16.3108, 96.2675**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **16.5371, 6.7038, 86.8089**, and if you desaturate by 10%, it is **17.8846, 8.3914, 87.0636**.

Distribution



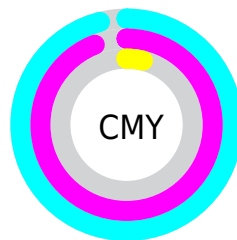
- Red (4%)
- Green (6%)
- Blue (96%)



- Red (4%)
- Yellow (6%)
- Blue (96%)



- Cyan (96%)
- Magenta (94%)
- Yellow (0%)
- Black (4%)



- Cyan (96%)
- Magenta (94%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7774, 6.9987, 86.8528 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 16.7774, 6.9987, 86.8528 by changing the saturation by 10% instead.

■ 16.7774, 6.9987,
86.8528

■ 16.7774, 6.9987,
86.8528

227.0677,
167.6529, 538.0427

■ 10.1702, 3.4613,
64.8145

■ 37.4893, 19.9706,
144.8560

■ 5.5751, 1.3770,
46.8603

■ 52.3247, 30.1739,
181.6580

■ 2.6267, 0.1997,
32.5716

■ 70.6337, 43.3679,
224.2182

■ 0.9596, 0.0000,
21.5301

■ 92.7814, 59.9370,
272.9553

■ 0.0000, 0.0000,
13.3170

■ 119.1333, 80.2657,
328.2877


■ 0.0000, 0.0000,
7.5139


■ 150.0547,


■ 0.0000, 0.0000,

104.7383, 390.6341

3.7022


 185.9111,
133.7392, 460.4129

 0.0000, 0.0000,
1.4635


 0.0000, 0.0000,
0.1905


 16.7774, 6.9987,
86.8528


 16.7774, 6.9987,
86.8528

 16.5371, 6.7038,
86.8089

 17.8846, 8.3914,
87.0636

 20.0643, 11.0747,
87.4666

 23.5029, 15.2650,
88.0942

 28.3513, 21.1392,
88.9725

■ 34.7393, 28.8498,
90.1241

■ 42.7820, 38.5323,
91.5691

■ 52.5834, 50.3093,
93.3257

■ 64.2391, 64.2936,
95.4106

■ 77.8377, 80.5899,
97.8394

Harmonies

Analogous

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



7.9839, 6.9987, 124.0551



16.7774, 6.9987, 86.8528



25.3951, 6.9987, 33.0880

Triad

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



16.7774, 6.9987, 86.8528



13.0725, 6.9987, 0.0000



0.2592, 6.9987, 11.7966

Complementary

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



16.7774, 6.9987, 86.8528



68.8978, 81.8073, 12.4482

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.



0.5151, 6.9987, 0.1953



16.7774, 6.9987, 86.8528



5.4772, 6.9987, 0.0000

Square

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



16.7774, 6.9987, 86.8528



22.4587, 6.9987, 0.0000



1.7340, 6.9987, 0.0000



0.8306, 6.9987, 52.5169

Rectangle

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



16.7774, 6.9987, 86.8528



28.0378, 6.9987, 10.4791



1.7340, 6.9987, 0.0000



0.2513, 6.9987, 5.3355

Sweetspot

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



16.7781, 6.9987, 86.8531



53.9680, 50.7503, 101.5591



48.0894, 71.4943, 91.5158



10.5751, 9.6896, 21.5629



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.



16.7781, 6.9987, 86.8531



18.1079, 7.3357, 95.0693



24.2955, 10.7831, 87.1873



15.6089, 15.9822, 20.8048



8.9211, 3.6360, 46.7697



0.7937, 0.3388, 4.1138

Inverse Universe

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



37.8517, 19.6656, 2.2520



41.2692, 21.2717, 2.0838



42.7583, 70.5084, 11.6450



16.5132, 16.4881, 17.1830



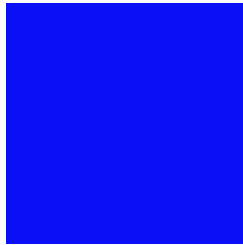
20.3075, 10.4664, 1.0616



1.7897, 0.9218, 0.1188

Previews

White Background



This preview shows how the XYZ color 16.7774, 6.9987, 86.8528 looks on a white background.

Color Contrast Check

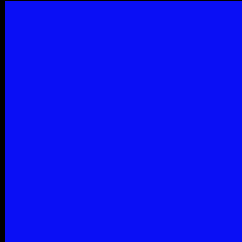
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7774, 6.9987, 86.8528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

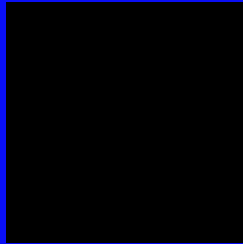
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7774, 6.9987, 86.8528

Background



This preview shows how black text looks on a background with the XYZ color 16.7774, 6.9987, 86.8528.



This preview shows how white text looks on a background with the XYZ color 16.7774, 6.9987,

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

16.7774, 6.9987, 86.8528

Protanopia

7.9849, 6.9017, 30.6171

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.7774, 6.9987, 86.8528

Protanomaly

10.0968, 5.9386, 47.0685

Deuteranomaly

8.7199, 5.6044, 39.1502

Tritanomaly

6.5972, 5.0655, 27.0156

Monochromacy



Original Color

16.7774, 6.9987, 86.8528

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

4.0912, 2.4790, 16.4825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7774, 6.9987, 86.8528 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(10, 15, 245)` looks like.

```
.text, #text, p{  
    color:rgb(10, 15, 245)  
}
```

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(10, 15, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 15, 245) }
```

Border

The CSS property to change the border of an element to XYZ 16.7774, 6.9987, 86.8528 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(10, 15, 245) }
```


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

```
.border{ border-color:rgb(10, 15, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 15, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 15, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 15, 245);  
box-shadow:4px 4px 4px 4px rgb(10, 15,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7774, 6.9987, 86.8528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 15, 245) }
```

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

```
.background{ background-color: rgb(10, 15,  
245) }
```

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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