

Converting Colors

XYZ(17.2188, 7.6812, 88.2260)

Have a look what the booklet for
XYZ(17.2188, 7.6812, 88.2260)
contains.

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Color

**XYZ(17.2785, 7.6954,
88.5704)**

Conversions

Conversions Part 1

Format	Color
Hex	001FF7
RGB	0, 31, 247
RGB Percent	0%, 12%, 97%
CMY	0.9997, 0.8785, 0.0314
CMYK	1.00, 0.87, 0.00, 0.03
HSL	232°, 100%, 48%
HSV	232°, 100%, 97%
XYZ	17.2785, 7.6954, 88.5704
YIQ	46.3550, -87.8120, 60.6040

Conversions

Conversions Part 2

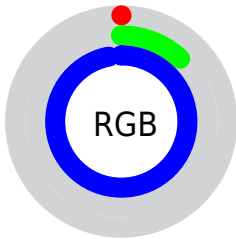
Format	Color
RYB	0, 28, 247
Decimal	8183
CIELab	33.34, 70.57, -101.63
CIELCh	33, 123.727, 304.776
Yxy	7.6954, 0.1522, 0.0678
Android (android.graphics.Color)	4278198263 (0xFF001FF7)
YUV	46.3550, 98.9180, -40.6533
Hunter-Lab	27.7406, 62.6345, -169.8833

Details

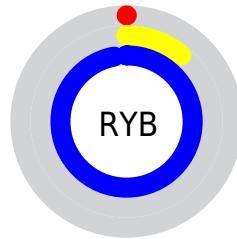
The XYZ color **17.2785, 7.6954, 88.5704** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **62.9346, 68.9270, 9.9892**, and the grayscale version is **2.5428, 2.6752, 2.9133**.

A 20% lighter version of the original color is **28.7697, 17.5686, 96.4825**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **17.2767, 7.6917, 88.5701**, and if you desaturate by 10%, it is **18.4387, 9.4289, 88.8442**.

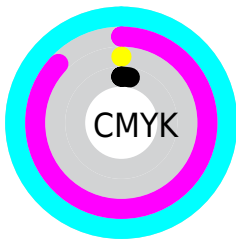
Distribution



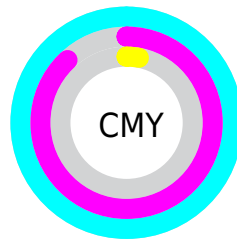
- Red (0%)
- Green (12%)
- Blue (97%)



- Red (0%)
- Yellow (11%)
- Blue (97%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (88%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2785, 7.6954, 88.5704 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 17.2785, 7.6954, 88.5704 by changing the saturation by 10% instead.

■ 17.2785, 7.6954,
88.5704

■ 17.2785, 7.6954,
88.5704

229.8973,
173.3230, 543.8190

■ 10.5298, 3.9007,
66.2285

■ 38.3438, 21.3591,
147.2691

■ 5.8166, 1.6182,
48.0003

■ 53.3911, 31.9969,
184.4631

■ 2.7735, 0.3698,
33.4671

■ 71.9353, 45.6844,
227.4448

■ 1.0351, 0.0000,
22.2105

■ 94.3417, 62.8062,
276.6328

■ 0.0000, 0.0000,
13.8119

■ 120.9758, 83.7465,
332.4457

■ 0.0000, 0.0000,
7.8527

■ 152.2029,


■ 0.0000, 0.0000,


108.8898, 395.3020

3.9144


 188.3882,
138.6205, 465.6203

 0.0000, 0.0000,
1.5785


 0.0000, 0.0000,
0.2754


 17.2785, 7.6954,
88.5704


 17.2785, 7.6954,
88.5704

 17.2767, 7.6917,
88.5701

 18.4387, 9.4289,
88.8442

 20.5405, 12.3052,
89.2886

 23.7915, 16.5096,
89.9288

 28.3303, 22.1814,
90.7843

■ 34.2753, 29.4415,
91.8723

■ 41.7313, 38.3985,
93.2082

■ 50.7930, 49.1509,
94.8060

■ 61.5473, 61.7899,
96.6788

■ 74.0748, 76.4004,
98.8386

Harmonies

Analogous

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



8.4293, 7.6954, 123.1280



17.2785, 7.6954, 88.5704



26.0067, 7.6954, 35.6119

Triad

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



17.2785, 7.6954, 88.5704



14.2148, 7.6954, 0.0000



0.4983, 7.6954, 11.8061

Complementary

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



17.2785, 7.6954, 88.5704



62.9346, 68.9270, 9.9892

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.



0.7758, 7.6954, 0.3324



17.2785, 7.6954, 88.5704



6.3021, 7.6954, 0.0000

Square

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



17.2785, 7.6954, 88.5704



23.6086, 7.6954, 0.0000



2.1820, 7.6954, 0.0000



1.0412, 7.6954, 51.3126

Rectangle

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



17.2785, 7.6954, 88.5704



28.8142, 7.6954, 12.1684



2.1820, 7.6954, 0.0000



0.5003, 7.6954, 5.4714

Sweetspot

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



17.2792, 7.6954, 88.5707



54.5252, 52.7446, 101.9147



45.4091, 71.3812, 75.0542



10.7448, 10.1942, 21.6513



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.



17.2792, 7.6954, 88.5707



18.5647, 8.2493, 95.2216



21.0655, 8.9214, 88.6078



15.7483, 16.2610, 20.8512



9.1915, 4.1767, 46.8598



0.8601, 0.4716, 4.1359

Inverse Universe

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



38.6059, 19.8746, 3.0971



41.4998, 21.3639, 3.2980



47.0607, 73.6358, 11.7348



16.5836, 16.5163, 17.5536



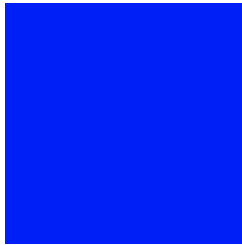
20.4439, 10.5210, 1.7802



1.8232, 0.9352, 0.2953

Previews

White Background



This preview shows how the XYZ color 17.2785, 7.6954, 88.5704 looks on a white background.

Color Contrast Check

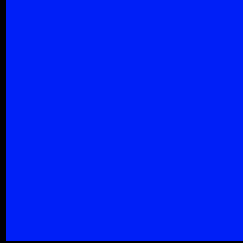
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2785, 7.6954, 88.5704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

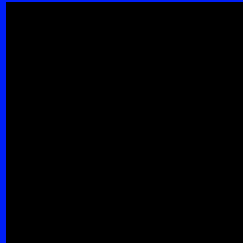
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.2785, 7.6954, 88.5704

Background



This preview shows how black text looks on a background with the XYZ color 17.2785, 7.6954, 88.5704.



This preview shows how white text looks on a background with the XYZ color 17.2785, 7.6954,

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

17.2785, 7.6954, 88.5704

Protanopia

8.6876, 7.5008, 33.3377

Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

17.2785, 7.6954, 88.5704

Protanomaly

10.8582, 6.8456, 49.4642

Tritanomaly

7.3525, 6.1524, 28.8170

Monochromacy



Original Color

17.2785, 7.6954, 88.5704

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.6294, 3.1790, 17.8224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2785, 7.6954, 88.5704 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, 31, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 31, 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, 31, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 31, 247) }
```

Border

The CSS property to change the border of an element to XYZ 17.2785, 7.6954, 88.5704 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, 31, 247) }
```

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

```
.border{ border-color:rgb(0, 31, 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, 31, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 31, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 31, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 31, 247)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.2785, 7.6954, 88.5704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 31, 247) }
```

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

```
.background{ background-color: rgb(0, 31,  
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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