

Converting Colors

XYZ(17.4870, 7.6981, 88.3167)

Have a look what the booklet for
XYZ(17.4870, 7.6981, 88.3167)
contains.

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Color

**XYZ(17.5346, 7.7165,
88.5609)**

Conversions

Conversions Part 1

Format	Color
Hex	161CF7
RGB	22, 28, 247
RGB Percent	9%, 11%, 97%
CMY	0.9136, 0.8902, 0.0314
CMYK	0.91, 0.89, 0.00, 0.03
HSL	238°, 93%, 53%
HSV	238°, 91%, 97%
XYZ	17.5346, 7.7165, 88.5609
YIQ	51.1720, -73.8750, 66.8370

Conversions

Conversions Part 2

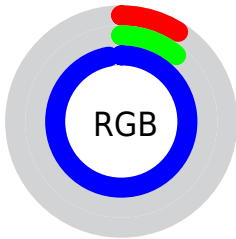
Format	Color
R _Y B	22, 28, 247
Decimal	1449207
CIE Lab	33.39, 71.77, -101.54
CIE LCh	33, 124.346, 305.251
Yxy	7.7165, 0.1541, 0.0678
Android (android.graphics.Color)	4279639287 (0xFF161CF7)
YUV	51.1720, 96.5432, -25.5838
Hunter-Lab	27.7786, 64.0615, -169.5774

Details

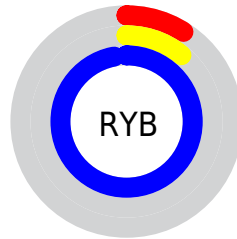
The XYZ color **17.5346, 7.7165, 88.5609** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **69.9725, 82.7711, 13.0495**, and the grayscale version is **3.0655, 3.2251, 3.5121**.

A 20% lighter version of the original color is **29.1693, 17.5441, 96.4567**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **16.8595, 6.8573, 88.4310**, and if you desaturate by 10%, it is **19.1785, 9.7729, 88.8715**.

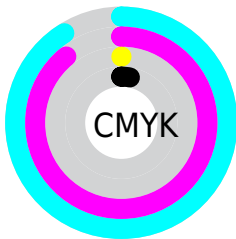
Distribution



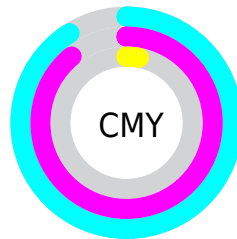
- Red (9%)
- Green (11%)
- Blue (97%)



- Red (9%)
- Yellow (11%)
- Blue (97%)



- Cyan (91%)
- Magenta (89%)
- Yellow (0%)
- Black (3%)



- Cyan (91%)
- Magenta (89%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5346, 7.7165, 88.5609 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 17.5346, 7.7165, 88.5609 by changing the saturation by 10% instead.

■ 17.5346, 7.7165,
88.5609

■ 17.5346, 7.7165,
88.5609

231.3312,
173.4912, 543.7872

■ 10.7140, 3.9141,
66.2207

■ 38.7790, 21.4008,
147.2558

■ 5.9408, 1.6256,
47.9940

■ 53.9336, 32.0514,
184.4476

■ 2.8494, 0.3748,
33.4622

■ 72.5968, 45.7536,
227.4270

■ 1.0746, 0.0000,
22.2067

■ 95.1342, 62.8917,
276.6125

■ 0.0037, 0.0000,
13.8091

■ 121.9109, 83.8501,
332.4228

■ 0.0000, 0.0000,
7.8508


■ 153.2924,


■ 0.0000, 0.0000,


109.0132, 395.2763

3.9132


 189.6441,
138.7654, 465.5916


 0.0000, 0.0000,
1.5779


 0.0000, 0.0000,
0.2749


 17.5346, 7.7165,
88.5609


 17.5346, 7.7165,
88.5609

 16.8595, 6.8573,
88.4310

 19.1785, 9.7729,
88.8715

 22.0096, 13.2521,
89.3938

 26.1966, 18.3490,
90.1570

 31.8809, 25.2283,
91.1852

■ 39.1856, 34.0340,
92.4999

■ 48.2215, 44.8958,
94.1202

■ 59.0896, 57.9318,
96.0636

■ 71.8828, 73.2515,
98.3463

■ 86.6882, 90.9568,
100.9834

Harmonies

Analogous

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



8.5747, 7.7165, 124.2015



17.5346, 7.7165, 88.5609



26.2937, 7.7165, 35.1529

Triad

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



17.5346, 7.7165, 88.5609



14.1381, 7.7165, 0.0000



0.4902, 7.7165, 12.2413

Complementary

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



17.5346, 7.7165, 88.5609



69.9725, 82.7711, 13.0495

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.



0.7562, 7.7165, 0.3849



17.5346, 7.7165, 88.5609



6.2197, 7.7165, 0.0000

Square

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



17.5346, 7.7165, 88.5609



23.6334, 7.7165, 0.0000



2.1360, 7.7165, 0.0000



1.0490, 7.7165, 52.5850

Rectangle

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



17.5346, 7.7165, 88.5609



29.0464, 7.7165, 11.8325



2.1360, 7.7165, 0.0000



0.4878, 7.7165, 5.7082

Sweetspot

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



17.5353, 7.7165, 88.5612



56.3134, 53.6323, 101.9918



49.2468, 72.9544, 93.5365



11.2376, 10.5005, 21.6845



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.



17.5353, 7.7165, 88.5612



18.1232, 7.3665, 95.0744



25.8316, 11.8043, 88.9129



15.6163, 15.9969, 20.8072



8.9324, 3.6585, 46.7734



0.7972, 0.3458, 4.1150

Inverse Universe

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



38.8550, 20.4333, 2.9942



41.2770, 21.2748, 2.1247



44.5645, 72.3322, 12.3737



16.5169, 16.4896, 17.2026



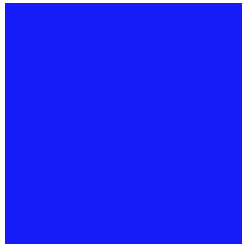
20.3132, 10.4687, 1.0915



1.7915, 0.9225, 0.1282

Previews

White Background



This preview shows how the XYZ color 17.5346, 7.7165, 88.5609 looks on a white background.

Color Contrast Check

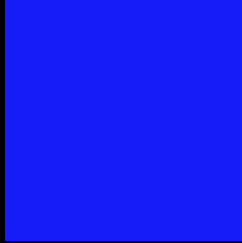
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5346, 7.7165, 88.5609 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 17.5346, 7.7165, 88.5609

Background



This preview shows how black text looks on a background with the XYZ color 17.5346, 7.7165, 88.5609.



This preview shows how white text looks on a background with the XYZ color 17.5346, 7.7165,

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

17.5346, 7.7165, 88.5609

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.1717, 7.4586, 23.6159

Trichromacy



Original Color

17.5346, 7.7165, 88.5609

Protanomaly

10.9075, 6.7954, 49.4520

Deuteranomaly

9.5067, 6.4843, 41.3080

Monochromacy



Original Color

17.5346, 7.7165, 88.5609

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.2518, 3.5840, 18.8273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5346, 7.7165, 88.5609 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(22, 28, 247)` looks like.

```
.text, #text, p{  
    color:rgb(22, 28, 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(22, 28, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 28, 247) }
```

Border

The CSS property to change the border of an element to XYZ 17.5346, 7.7165, 88.5609 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(22, 28, 247) }
```

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

```
.border{ border-color:rgb(22, 28, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 28, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 28, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 28, 247);  
box-shadow:4px 4px 4px 4px rgb(22, 28,  
247) }
```


Background

The CSS property to change the background color of an element to XYZ 17.5346, 7.7165, 88.5609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 28, 247) }
```

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

```
.background{ background-color: rgb(22, 28,  
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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