

Converting Colors

XYZ(16.7211, 6.7197, 86.6419)

Have a look what the booklet for
XYZ(16.7211, 6.7197, 86.6419)
contains.

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Color

**XYZ(16.7500, 6.7310,
86.8026)**

Conversions

Conversions Part 1

Format	Color
Hex	1300F5
RGB	19, 0, 245
RGB Percent	7%, 0%, 96%
CMY	0.9253, 1.0000, 0.0392
CMYK	0.92, 1.00, 0.00, 0.04
HSL	245°, 100%, 48%
HSV	245°, 100%, 96%
XYZ	16.7500, 6.7310, 86.8026
YIQ	33.6110, -67.3210, 80.2230

Conversions

Conversions Part 2

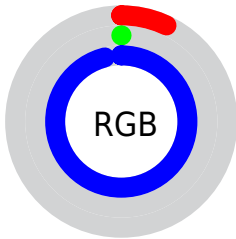
Format	Color
R _Y B	19, 0, 245
Decimal	1245429
CIE Lab	31.19, 76.94, -104.09
CIE LCh	31, 129.437, 306.469
Yxy	6.7310, 0.1519, 0.0610
Android (android.graphics.Color)	4279435509 (0xFF1300F5)
YUV	33.6110, 104.2148, -12.8138
Hunter-Lab	25.9442, 69.8404, -180.2083

Details

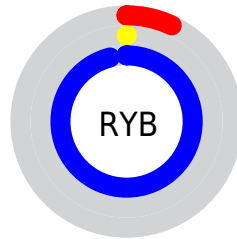
The XYZ color **16.7500, 6.7310, 86.8026** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **64.0023, 81.4665, 12.3513**, and the grayscale version is **1.4209, 1.4949, 1.6279**.

A 20% lighter version of the original color is **28.1253, 15.6653, 96.1491**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **16.7509, 6.7315, 86.8030**, and if you desaturate by 10%, it is **17.7588, 7.7514, 86.9467**.

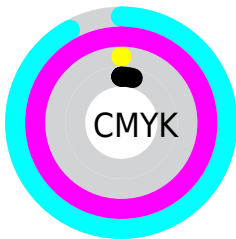
Distribution



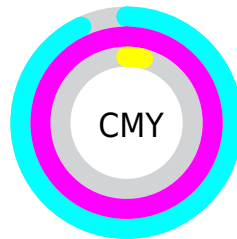
- Red (7%)
- Green (0%)
- Blue (96%)



- Red (7%)
- Yellow (0%)
- Blue (96%)



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)



- Cyan (93%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7500, 6.7310, 86.8026 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 16.7500, 6.7310, 86.8026 by changing the saturation by 10% instead.

■ 16.7500, 6.7310,
86.8026

■ 16.7500, 6.7310,
86.8026

226.9120,
165.4094, 537.8734

■ 10.1506, 3.2944,
64.7732

■ 37.4425, 19.4300,
144.7854

■ 5.5620, 1.2873,
46.8270

■ 52.2662, 29.4612,
181.5759

■ 2.6187, 0.1314,
32.5455

■ 70.5622, 42.4594,
224.1237

■ 0.9555, 0.0000,
21.5103

■ 92.6957, 58.8090,
272.8476

■ 0.0000, 0.0000,
13.3026

■ 119.0320, 78.8944,
328.1659


■ 0.0000, 0.0000,
7.5041


■ 149.9366,


■ 0.0000, 0.0000,

103.1001, 390.4973

3.6961


 185.7748,
131.8102, 460.2603

 0.0000, 0.0000,
1.4602


 0.0000, 0.0000,
0.1880


 16.7500, 6.7310,
86.8026


 16.7500, 6.7310,
86.8026

 16.7509, 6.7315,
86.8030

 17.7588, 7.7514,
86.9467

 19.7096, 9.8872,
87.2561

 22.8119, 13.4418,
87.7787

 27.2086, 18.6064,
88.5439

■ 33.0219, 25.5422,
89.5762

■ 40.3597, 34.3910,
90.8975

■ 49.3193, 45.2800,
92.5270

■ 59.9901, 58.3257,
94.4827

■ 72.4546, 73.6357,
96.7809

Harmonies

Analogous

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



7.8747, 6.7310, 125.9906



16.7500, 6.7310, 86.8026



25.4011, 6.7310, 32.0451

Triad

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



16.7500, 6.7310, 86.8026



12.6182, 6.7310, 0.0000



0.1419, 6.7310, 12.0183

Complementary

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



16.7500, 6.7310, 86.8026



64.0023, 81.4665, 12.3513

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.



0.3845, 6.7310, 0.1462



16.7500, 6.7310, 86.8026



5.1179, 6.7310, 0.0000

Square

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



16.7500, 6.7310, 86.8026



22.1047, 6.7310, 0.0000



1.5376, 6.7310, 0.0000



0.7405, 6.7310, 53.9809

Rectangle

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



16.7500, 6.7310, 86.8026



27.9720, 6.7310, 9.7017



1.5376, 6.7310, 0.0000



0.1277, 6.7310, 5.3785

Sweetspot

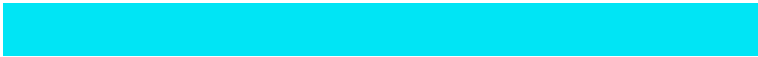
The Sweet Spot groups the original color and five complimentary colors.



16.7509, 6.7315, 86.8030



53.9445, 49.5058, 101.3201



44.4088, 62.4471, 96.0994



10.6123, 9.4590, 21.5164



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.



16.7509, 6.7315, 86.8030



18.3349, 7.3669, 95.0633



27.1012, 12.0672, 87.2873



15.7005, 15.9882, 20.8011



9.0674, 3.6487, 46.7644



0.8374, 0.3416, 4.1120

Inverse Universe

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



51.3776, 24.9010, 74.0173



56.2610, 27.2684, 81.0293



38.6162, 68.3795, 11.1633



17.1548, 16.7448, 20.5616



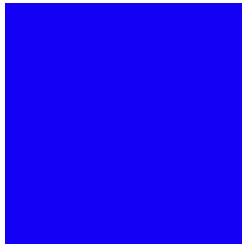
27.7018, 13.4241, 39.9994



2.4509, 1.1863, 3.6010

Previews

White Background



This preview shows how the XYZ color 16.7500, 6.7310, 86.8026 looks on a white background.

Color Contrast Check

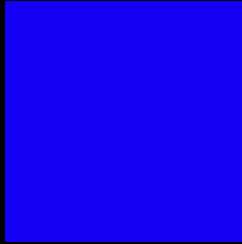
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7500, 6.7310, 86.8026 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 16.7500, 6.7310, 86.8026

Background



This preview shows how black text looks on a background with the XYZ color 16.7500, 6.7310, 86.8026.



This preview shows how white text looks on a background with the XYZ color 16.7500, 6.7310,

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

16.7500, 6.7310, 86.8026

Protanopia

7.9033, 6.8691, 30.1875

Tritanopia

4.7730, 6.8584, 9.8763

Trichromacy



Original Color

16.7500, 6.7310, 86.8026

Protanomaly

9.8216, 5.5019, 46.4433

Tritanomaly

6.3948, 4.6050, 26.9374

Monochromacy



Original Color

16.7500, 6.7310, 86.8026

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

3.6628, 1.9827, 15.2286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7500, 6.7310, 86.8026 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(19, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(19, 0, 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(19, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 16.7500, 6.7310, 86.8026 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(19, 0, 245) }
```

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

```
.border{ border-color:rgb(19, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(19, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(19, 0, 245)  
}
```


Background

The CSS property to change the background color of an element to XYZ 16.7500, 6.7310, 86.8026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 0, 245) }
```

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

```
.background{ background-color: rgb(19, 0,  
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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