

Converting Colors

XYZ(19.0760, 7.9337, 86.7521)

Have a look what the booklet for
XYZ(19.0760, 7.9337, 86.7521)
contains.

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Color

**XYZ(19.0800, 7.9322,
86.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	4700F5
RGB	71, 0, 245
RGB Percent	28%, 0%, 96%
CMY	0.7215, 1.0000, 0.0392
CMYK	0.71, 1.00, 0.00, 0.04
HSL	257°, 100%, 48%
HSV	257°, 100%, 96%
XYZ	19.0800, 7.9322, 86.9116
YIQ	49.1590, -36.3290, 91.2470

Conversions

Conversions Part 2

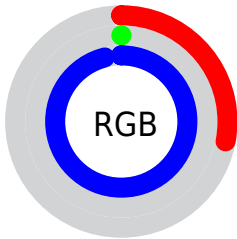
Format	Color
R _Y B	71, 0, 245
Decimal	4653301
CIE Lab	33.84, 77.93, -99.59
CIE LCh	34, 126.458, 308.043
Yxy	7.9322, 0.1675, 0.0696
Android (android.graphics.Color)	4282843381 (0xFF4700F5)
YUV	49.1590, 96.5496, 19.1546
Hunter-Lab	28.1642, 71.6387, -163.2477

Details

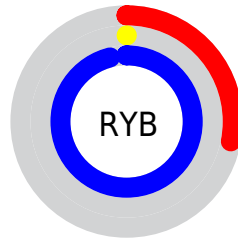
The XYZ color **19.0800, 7.9322, 86.9116** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **50.1055, 74.3023, 11.7010**, and the grayscale version is **2.8370, 2.9848, 3.2504**.

A 20% lighter version of the original color is **32.1758, 18.1373, 96.4127**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **19.0809, 7.9326, 86.9119**, and if you desaturate by 10%, it is **20.8820, 9.3615, 87.0928**.

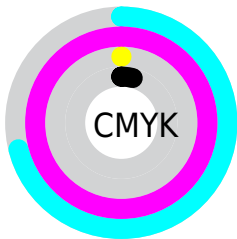
Distribution



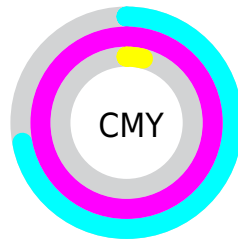
- Red (28%)
- Green (0%)
- Blue (96%)



- Red (28%)
- Yellow (0%)
- Blue (96%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)



- Cyan (72%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0800, 7.9322, 86.9116 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 19.0800, 7.9322, 86.9116 by changing the saturation by 10% instead.

■ 19.0800, 7.9322,
86.9116

■ 19.0800, 7.9322,
86.9116

239.8197,
175.1992, 538.2410

■ 11.8324, 4.0516,
64.8628

■ 41.3851, 21.8254,
144.9387

■ 6.7011, 1.7025,
46.8992

■ 57.1733, 32.6068,
181.7541

■ 3.3205, 0.4253,
32.6022

■ 76.5391, 46.4573,
224.3289

■ 1.3254, 0.0000,
21.5533

■ 99.8479, 63.7612,
273.0814

■ 0.2021, 0.0000,
13.3339

■ 127.4650, 84.9030,
328.4304

■ 0.0000, 0.0000,
7.5254


■ 159.7557,


■ 0.0000, 0.0000,


110.2670, 390.7943


3.7094


 197.0855,
140.2376, 460.5916

 0.0000, 0.0000,
1.4673


 0.0000, 0.0000,
0.1934


 19.0800, 7.9322,
86.9116


 19.0800, 7.9322,
86.9116

 19.0809, 7.9326,
86.9119

 20.8820, 9.3615,
87.0928

 23.5011, 11.8417,
87.4335

 27.0953, 15.6500,
87.9791

 31.7670, 20.9563,
88.7571

■ 37.6044, 27.9045,
89.7906

■ 44.6855, 36.6210,
91.0998

■ 53.0814, 47.2195,
92.7030

■ 62.8576, 59.8040,
94.6168

■ 74.0748, 74.4709,
96.8566

Harmonies

Analogous

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



9.5598, 7.9322, 128.1230



19.0800, 7.9322, 86.9116



27.8553, 7.9322, 32.1774

Triad

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



19.0800, 7.9322, 86.9116



13.6935, 7.9322, 0.0000



0.5042, 7.9322, 15.1456

Complementary

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



19.0800, 7.9322, 86.9116



50.1055, 74.3023, 11.7010

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.



0.6977, 7.9322, 0.7735



19.0800, 7.9322, 86.9116



5.8257, 7.9322, 0.0000

Square

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



19.0800, 7.9322, 86.9116



23.6363, 7.9322, 0.0000



1.9510, 7.9322, 0.0000



1.1637, 7.9322, 59.8848

Rectangle

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



19.0800, 7.9322, 86.9116



30.2080, 7.9322, 10.0054



1.9510, 7.9322, 0.0000



0.4756, 7.9322, 7.3991

Sweetspot

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



19.0809, 7.9326, 86.9119



58.0697, 51.6324, 101.5132



31.9253, 37.4802, 91.9382



11.5600, 9.9476, 21.5607



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.



19.0809, 7.9326, 86.9119



20.8671, 8.6723, 95.1818



38.1987, 17.7882, 87.8066



16.0324, 16.1593, 20.8166



10.3978, 4.3346, 46.8267



1.0115, 0.4313, 4.1202

Inverse Universe

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



45.2951, 22.4681, 41.9879



49.5897, 24.5999, 45.8989



34.1251, 66.0642, 10.9531



16.9969, 16.6816, 19.7303



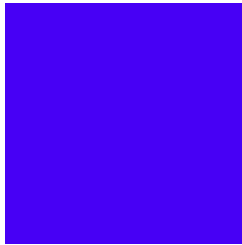
24.4644, 12.1292, 22.9517



2.1946, 1.0838, 2.2514

Previews

White Background



This preview shows how the XYZ color 19.0800, 7.9322, 86.9116 looks on a white background.

Color Contrast Check

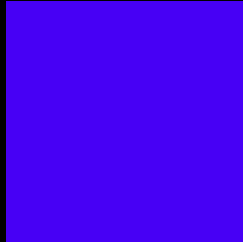
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0800, 7.9322, 86.9116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

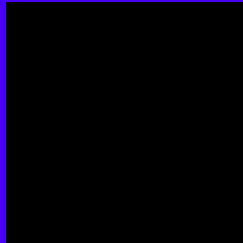
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0800, 7.9322, 86.9116

Background



This preview shows how black text looks on a background with the XYZ color 19.0800, 7.9322, 86.9116.



This preview shows how white text looks on a background with the XYZ color 19.0800, 7.9322,

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

19.0800, 7.9322, 86.9116

Protanopia

9.3352, 8.0931, 35.7204

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

5.6379, 7.9710, 12.0679

Trichromacy



Original Color

19.0800, 7.9322, 86.9116

Protanomaly

11.1922, 6.3511, 51.0881

Deuteranomaly

9.7350, 5.9802, 42.7607

Tritanomaly

7.3942, 5.3479, 29.4967

Monochromacy



Original Color

19.0800, 7.9322, 86.9116

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.5675, 3.2059, 18.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0800, 7.9322, 86.9116 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(71, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 19.0800, 7.9322, 86.9116 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(71, 0, 245) }
```


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

```
.border{ border-color:rgb(71, 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(71, 0, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(71, 0, 245)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0800, 7.9322, 86.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 0, 245) }
```

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

```
.background{ background-color: rgb(71, 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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