

Converting Colors

XYZ(19.4541, 8.0833, 88.8140)

Have a look what the booklet for
XYZ(19.4541, 8.0833, 88.8140)
contains.

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Color

**XYZ(19.3870, 8.0550,
88.5286)**

Conversions

Conversions Part 1

Format	Color
Hex	4700F7
RGB	71, 0, 247
RGB Percent	28%, 0%, 97%
CMY	0.7215, 1.0000, 0.0314
CMYK	0.71, 1.00, 0.00, 0.03
HSL	257°, 100%, 48%
HSV	257°, 100%, 97%
XYZ	19.3870, 8.0550, 88.5286
YIQ	49.3870, -36.9710, 91.8690

Conversions

Conversions Part 2

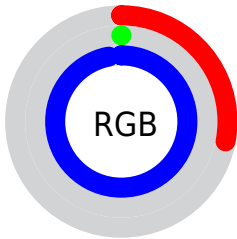
Format	Color
R _{YB}	71, 0, 247
Decimal	4653303
CIE Lab	34.10, 78.39, -100.29
CIE LCh	34, 127.294, 308.011
Yxy	8.0550, 0.1672, 0.0695
Android (android.graphics.Color)	4282843383 (0xFF4700F7)
YUV	49.3870, 97.4232, 18.9546
Hunter-Lab	28.3813, 72.2642, -165.0737

Details

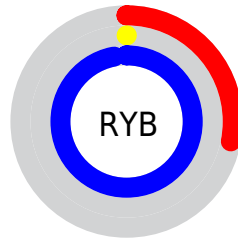
The XYZ color **19.3870, 8.0550, 88.5286** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **51.1629, 75.7506, 11.9248**, and the grayscale version is **2.8611, 3.0101, 3.2780**.

A 20% lighter version of the original color is **32.1758, 18.1373, 96.4127**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **19.3879, 8.0554, 88.5290**, and if you desaturate by 10%, it is **21.2123, 9.5025, 88.7121**.

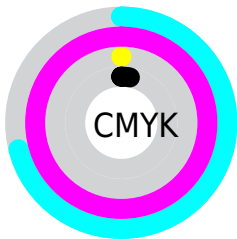
Distribution



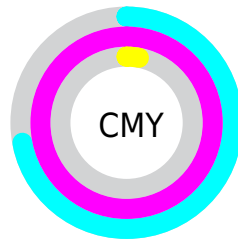
- Red (28%)
- Green (0%)
- Blue (97%)



- Red (28%)
- Yellow (0%)
- Blue (97%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (72%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3870, 8.0550, 88.5286 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 19.3870, 8.0550, 88.5286 by changing the saturation by 10% instead.

■ 19.3870, 8.0550,
88.5286

■ 19.3870, 8.0550,
88.5286

241.4743,
176.1628, 543.6788

■ 12.0559, 4.1302,
66.1941

■ 41.8989, 22.0662,
147.2105

■ 6.8542, 1.7466,
47.9725

■ 57.8103, 32.9213,
184.3949

■ 3.4166, 0.4536,
33.4453

■ 77.3127, 46.8554,
227.3664

■ 1.3777, 0.0000,
22.1939

■ 100.7712, 64.2527,
276.5435

■ 0.2403, 0.0000,
13.7997

■ 128.5512, 85.4977,
332.3448


■ 0.0000, 0.0000,
7.8444


■ 161.0182,


■ 0.0000, 0.0000,

110.9748, 395.1887

3.9092

 198.5374,
141.0683, 465.4939


 0.0000, 0.0000,
1.5757


 0.0000, 0.0000,
0.2734

 19.3870, 8.0550,
88.5286

 19.3870, 8.0550,
88.5286

 19.3879, 8.0554,
88.5290

 21.2123, 9.5025,
88.7121

 23.8724, 12.0227,
89.0583

 27.5285, 15.8971,
89.6135

 32.2853, 21.2997,
90.4056

■ 38.2329, 28.3773,
91.4582

■ 45.4514, 37.2588,
92.7921

■ 54.0134, 48.0606,
94.4258

■ 63.9859, 60.8888,
96.3762

■ 75.4310, 75.8418,
98.6592

Harmonies

Analogous

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



9.7022, 8.0550, 130.4652



19.3870, 8.0550, 88.5286



28.3238, 8.0550, 32.7752

Triad

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



19.3870, 8.0550, 88.5286



13.9270, 8.0550, 0.0000



0.5107, 8.0550, 15.3604

Complementary

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



19.3870, 8.0550, 88.5286



51.1629, 75.7506, 11.9248

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.



0.7064, 8.0550, 0.7778



19.3870, 8.0550, 88.5286



5.9199, 8.0550, 0.0000

Square

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



19.3870, 8.0550, 88.5286



24.0458, 8.0550, 0.0000



1.9787, 8.0550, 0.0000



1.1759, 8.0550, 60.8770

Rectangle

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



19.3870, 8.0550, 88.5286



30.7251, 8.0550, 10.1865



1.9787, 8.0550, 0.0000



0.4822, 8.0550, 7.4923

Sweetspot

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



19.3879, 8.0554, 88.5290



58.0215, 51.6075, 101.5109



32.5140, 38.1664, 93.6491



11.5488, 9.9418, 21.5602



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.



19.3879, 8.0554, 88.5290



20.8213, 8.6487, 95.1797



38.9044, 18.1165, 89.4423



16.0286, 16.1574, 20.8165



10.3744, 4.3225, 46.8256



1.0091, 0.4300, 4.1201

Inverse Universe

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



46.1933, 22.9084, 43.0557



49.6514, 24.6245, 46.2237



34.7564, 67.2927, 11.1569



16.9986, 16.6823, 19.7394



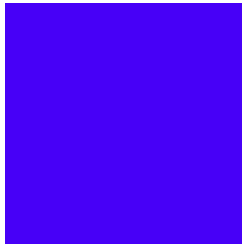
24.4945, 12.1412, 23.1100



2.1971, 1.0848, 2.2643

Previews

White Background



This preview shows how the XYZ color 19.3870, 8.0550, 88.5286 looks on a white background.

Color Contrast Check

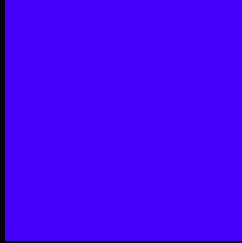
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3870, 8.0550, 88.5286 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 19.3870, 8.0550, 88.5286

Background



This preview shows how black text looks on a background with the XYZ color 19.3870, 8.0550, 88.5286.



This preview shows how white text looks on a background with the XYZ color 19.3870, 8.0550,

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

19.3870, 8.0550, 88.5286

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

7.9039, 8.2341, 25.9837



Tritanopia

5.7217, 8.1386, 12.0958

Trichromacy



Original Color

19.3870, 8.0550, 88.5286

Protanomaly

11.3042, 6.3959, 51.6777

Deuteranomaly

9.8358, 6.0205, 43.2915

Tritanomaly

7.3942, 5.3479, 29.4967

Monochromacy



Original Color

19.3870, 8.0550, 88.5286

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.6285, 3.2303, 18.4160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3870, 8.0550, 88.5286 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(71, 0, 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(71, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 19.3870, 8.0550, 88.5286 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, 247) }
```


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

```
.border{ border-color:rgb(71, 0, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(71, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3870, 8.0550, 88.5286 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, 247) }
```

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

```
.background{ background-color: rgb(71, 0,  
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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