

Converting Colors

XYZ(19.4914, 8.2602, 81.6916)

Have a look what the booklet for
XYZ(19.4914, 8.2602, 81.6916)
contains.

XYZ(19.4571, 8.2478, 81.4554)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.4571, 8.2478,
81.4554)**

Conversions

Conversions Part 1

Format	Color
Hex	5800EE
RGB	88, 0, 238
RGB Percent	35%, 0%, 93%
CMY	0.6549, 1.0000, 0.0667
CMYK	0.63, 1.00, 0.00, 0.07
HSL	262°, 100%, 47%
HSV	262°, 100%, 93%
XYZ	19.4571, 8.2478, 81.4554
YIQ	53.4440, -23.9500, 92.6740

Conversions

Conversions Part 2

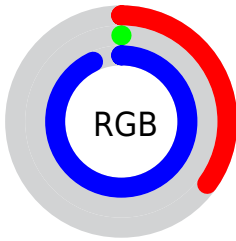
Format	Color
RYB	88, 0, 238
Decimal	5767406
CIELab	34.49, 77.03, -94.50
CIELCh	34, 121.920, 309.186
Yxy	8.2478, 0.1782, 0.0756
Android (android.graphics.Color)	4283957486 (0xFF5800EE)
YUV	53.4440, 90.9861, 30.3056
Hunter-Lab	28.7190, 70.6755, -148.0604

Details

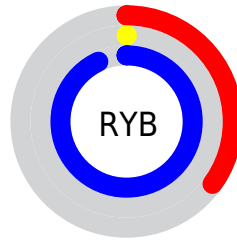
The XYZ color **19.4571, 8.2478, 81.4554** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **43.1510, 67.6326, 10.7801**, and the grayscale version is **3.3335, 3.5071, 3.8193**.

A 20% lighter version of the original color is **34.2764, 19.3201, 96.5303**, and **8.2382, 3.2953, 43.3819** is the 20% darker color. If you saturate the color by 10%, you get **19.4579, 8.2482, 81.4557**, and if you desaturate by 10%, it is **21.3495, 9.7021, 81.6367**.

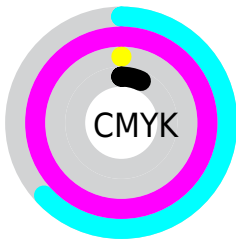
Distribution



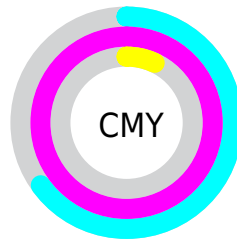
- Red (35%)
- Green (0%)
- Blue (93%)



- Red (35%)
- Yellow (0%)
- Blue (93%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (65%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4571, 8.2478, 81.4554 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 19.4571, 8.2478, 81.4554 by changing the saturation by 10% instead.

■ 19.4571, 8.2478,
81.4554

■ 19.4571, 8.2478,
81.4554

241.8507,
177.6629, 519.6597

■ 12.1070, 4.2539,
60.3835

■ 42.0160, 22.4428,
137.2398

■ 6.8893, 1.8166,
43.3005

■ 57.9555, 33.4127,
172.7895

■ 3.4387, 0.4975,
29.7878

■ 77.4889, 47.4768,
214.0022

■ 1.3898, 0.0000,
19.4269

■ 100.9814, 65.0194,
261.2964

■ 0.2489, 0.0000,
11.7992

■ 128.7985, 86.4249,
315.0908

■ 0.0000, 0.0000,
6.4863


■ 161.3055,

■ 0.0000, 0.0000,

112.0777, 375.8037

3.0694

 198.8678,
142.3623, 443.8539

 0.0000, 0.0000,
1.1302


 0.0000, 0.0000,
0.0000


 19.4571, 8.2478,
81.4554


 19.4571, 8.2478,
81.4554

 19.4579, 8.2482,
81.4557

 21.3495, 9.7021,
81.6367

 23.9454, 12.1064,
81.9639

 27.3852, 15.7176,
82.4797

 31.7565, 20.6899,
83.2090

■ 37.1346, 27.1537,
84.1732

■ 43.5860, 35.2234,
85.3908

■ 51.1712, 45.0021,
86.8785

■ 59.9459, 56.5838,
88.6515

■ 69.9617, 70.0558,
90.7240

Harmonies

Analogous

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



10.1361, 8.2478, 121.4479



19.4571, 8.2478, 81.4554



27.7273, 8.2478, 30.1655

Triad

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



19.4571, 8.2478, 81.4554



13.5142, 8.2478, 0.0000



0.6914, 8.2478, 16.4506

Complementary

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



19.4571, 8.2478, 81.4554



43.1510, 67.6326, 10.7801

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.



0.8475, 8.2478, 1.1386



19.4571, 8.2478, 81.4554



5.9186, 8.2478, 0.0000

Square

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



19.4571, 8.2478, 81.4554



23.1260, 8.2478, 0.0000



2.1139, 8.2478, 0.0000



1.4200, 8.2478, 60.1360

Rectangle

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



19.4571, 8.2478, 81.4554



29.7682, 8.2478, 9.5272



2.1139, 8.2478, 0.0000



0.6535, 8.2478, 8.4550

Sweetspot

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



19.4579, 8.2482, 81.4557



59.7430, 52.4950, 101.5915



26.4564, 28.2206, 84.9419



11.9497, 10.1485, 21.5790



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.



19.4579, 8.2482, 81.4557



22.6963, 9.6152, 95.2674



40.9605, 19.3331, 82.4620



15.4493, 15.5133, 19.9017



10.9862, 4.6690, 45.4500



1.0201, 0.4432, 3.7860

Inverse Universe

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



40.7645, 20.3790, 30.6361



47.6471, 23.8229, 35.6695



31.1621, 61.4521, 10.2190



16.1919, 15.9265, 18.5668



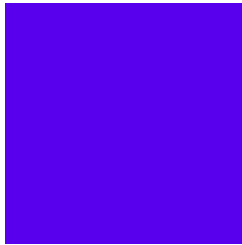
22.8069, 11.3952, 17.4317



1.9452, 0.9671, 1.7021

Previews

White Background



This preview shows how the XYZ color 19.4571, 8.2478, 81.4554 looks on a white background.

Color Contrast Check

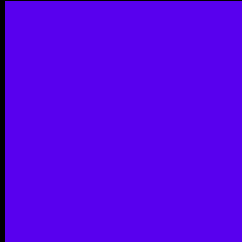
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4571, 8.2478, 81.4554 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 19.4571, 8.2478, 81.4554

Background



This preview shows how black text looks on a background with the XYZ color 19.4571, 8.2478, 81.4554.



This preview shows how white text looks on a background with the XYZ color 19.4571, 8.2478,

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

19.4571, 8.2478, 81.4554

Protanopia

9.8437, 8.5273, 37.6863

Deuteranopia

8.1310, 8.4500, 26.7936



Tritanopia

5.9457, 8.3640, 12.8563

Trichromacy



Original Color

19.4571, 8.2478, 81.4554

Protanomaly

11.4051, 6.5250, 51.1104

Deuteranomaly

9.8506, 6.1197, 42.2570

Tritanomaly

7.5335, 5.5031, 29.0989

Monochromacy



Original Color

19.4571, 8.2478, 81.4554

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

6.2090, 3.6584, 18.1482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4571, 8.2478, 81.4554 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(88, 0, 238)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 238)  
}
```

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(88, 0, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 238) }
```

Border

The CSS property to change the border of an element to XYZ 19.4571, 8.2478, 81.4554 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(88, 0, 238) }
```


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

```
.border{ border-color:rgb(88, 0, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(88, 0, 238)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4571, 8.2478, 81.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 238) }
```

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

```
.background{ background-color: rgb(88, 0,  
238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor