

Converting Colors

XYZ(19.4059, 8.2383, 80.6881)

Have a look what the booklet for
XYZ(19.4059, 8.2383, 80.6881)
contains.

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Color

**XYZ(19.4059, 8.2383,
80.6881)**

Conversions

Conversions Part 1

Format	Color
Hex	5900ED
RGB	89, 0, 237
RGB Percent	35%, 0%, 93%
CMY	0.6509, 1.0000, 0.0706
CMYK	0.62, 1.00, 0.00, 0.07
HSL	263°, 100%, 46%
HSV	263°, 100%, 93%
XYZ	19.4059, 8.2383, 80.6881
YIQ	53.6290, -23.0330, 92.5750

Conversions

Conversions Part 2

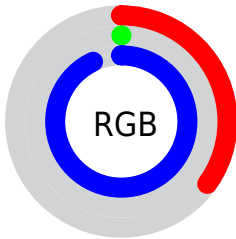
Format	Color
R_{YB}	89, 0, 237
Decimal	5832941
CIE _{Lab}	34.47, 76.86, -93.96
CIE _{LCh}	34, 121.393, 309.283
Yxy	8.2383, 0.1791, 0.0760
Android (android.graphics.Color)	4284023021 (0xFF5900ED)
YUV	53.6290, 90.4019, 31.0204
Hunter-Lab	28.7024, 70.4557, -146.5839

Details

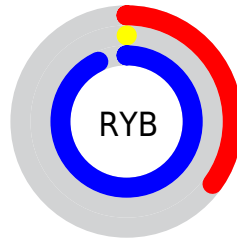
The XYZ color **19.4059, 8.2383, 80.6881** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **42.4956, 66.8638, 10.6662**, and the grayscale version is **3.3564, 3.5312, 3.8455**.

A 20% lighter version of the original color is **34.4707, 19.4203, 96.5394**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **19.4067, 8.2387, 80.6884**, and if you desaturate by 10%, it is **21.2932, 9.6870, 80.8685**.

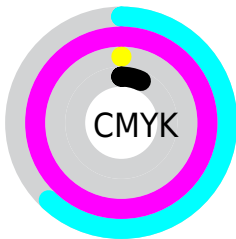
Distribution



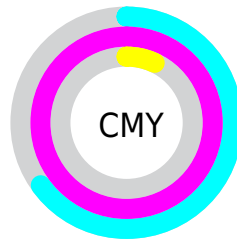
- Red (35%)
- Green (0%)
- Blue (93%)



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



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4059, 8.2383, 80.6881 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 19.4059, 8.2383, 80.6881 by changing the saturation by 10% instead.

■ 19.4059, 8.2383,
80.6881

■ 19.4059, 8.2383,
80.6881

241.5758,
177.5893, 517.0166

■ 12.0697, 4.2478,
59.7553

■ 41.9304, 22.4243,
136.1529

■ 6.8637, 1.8131,
42.7974

■ 57.8495, 33.3886,
171.5219

■ 3.4226, 0.4953,
29.3960

■ 77.3602, 47.4463,
212.5400

■ 1.3810, 0.0000,
19.1324

■ 100.8279, 64.9817,
259.6258

■ 0.2426, 0.0000,
11.5882

■ 128.6179, 86.3794,
313.1978

■ 0.0000, 0.0000,
6.3448


■ 161.0957,


■ 0.0000, 0.0000,


112.0236, 373.6746


2.9837

 198.6265,
142.2988, 441.4746

 0.0000, 0.0000,
1.0863


 0.0000, 0.0000,
0.0000


 19.4059, 8.2383,
80.6881


 19.4059, 8.2383,
80.6881

 19.4067, 8.2387,
80.6884

 21.2932, 9.6870,
80.8685

 23.8726, 12.0738,
81.1933

 27.2828, 15.6533,
81.7045

 31.6102, 20.5779,
82.4269

■ 36.9287, 26.9764,
83.3817

■ 43.3040, 34.9618,
84.5870

■ 50.7954, 44.6359,
86.0594

■ 59.4577, 56.0918,
87.8141

■ 69.3418, 69.4156,
89.8649

Harmonies

Analogous

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



10.1405, 8.2383, 120.4192



19.4059, 8.2383, 80.6881



27.6009, 8.2383, 29.8803

Triad

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



19.4059, 8.2383, 80.6881



13.4425, 8.2383, 0.0000



0.7029, 8.2383, 16.4896

Complementary

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



19.4059, 8.2383, 80.6881



42.4956, 66.8638, 10.6662

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.



0.8558, 8.2383, 1.1658



19.4059, 8.2383, 80.6881



5.9006, 8.2383, 0.0000

Square

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



19.4059, 8.2383, 80.6881



22.9880, 8.2383, 0.0000



2.1180, 8.2383, 0.0000



1.4358, 8.2383, 59.9070

Rectangle

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



19.4059, 8.2383, 80.6881



29.6084, 8.2383, 9.4484



2.1180, 8.2383, 0.0000



0.6643, 8.2383, 8.5082

Sweetspot

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



19.4067, 8.2387, 80.6884



59.8666, 52.5587, 101.5973



26.2085, 27.9591, 84.1364



11.9786, 10.1634, 21.5803



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.



19.4067, 8.2387, 80.6884



22.8495, 9.6942, 95.2746



40.5735, 19.1506, 81.6790



14.7657, 14.8245, 19.0054



10.7292, 4.5670, 44.0590



0.9461, 0.4120, 3.4645

Inverse Universe

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



40.2699, 20.1425, 29.7792



47.5182, 23.7713, 34.9903



30.8676, 60.8693, 10.1221



15.4610, 15.2123, 17.7131



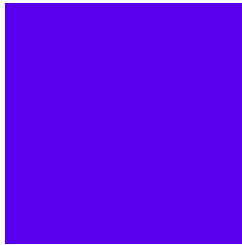
22.0515, 11.0233, 16.6044



1.7780, 0.8842, 1.5482

Previews

White Background



This preview shows how the XYZ color 19.4059, 8.2383, 80.6881 looks on a white background.

Color Contrast Check

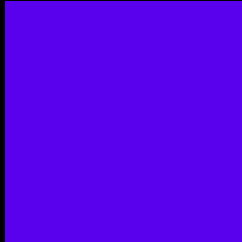
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4059, 8.2383, 80.6881 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 19.4059, 8.2383, 80.6881

Background



This preview shows how black text looks on a background with the XYZ color 19.4059, 8.2383, 80.6881.



This preview shows how white text looks on a background with the XYZ color 19.4059, 8.2383,

80.6881.

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

19.4059, 8.2383, 80.6881

Protanopia

9.8437, 8.5273, 37.6863

Deuteranopia

8.1310, 8.4500, 26.7936



Tritanopia

5.9457, 8.3640, 12.8563

Trichromacy



Original Color

19.4059, 8.2383, 80.6881

Protanomaly

11.2939, 6.4805, 50.5248

Deuteranomaly

9.8506, 6.1197, 42.2570

Tritanomaly

7.5335, 5.5031, 29.0989

Monochromacy



Original Color

19.4059, 8.2383, 80.6881

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

6.3380, 3.7178, 18.4727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4059, 8.2383, 80.6881 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(89, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(89, 0, 237)  
}
```

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(89, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 19.4059, 8.2383, 80.6881 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(89, 0, 237) }
```


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

```
.border{ border-color:rgb(89, 0, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 0, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(89, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4059, 8.2383, 80.6881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 0, 237) }
```

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

```
.background{ background-color: rgb(89, 0,  
237) }
```

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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