

Converting Colors

XYZ(19.5938, 8.9368, 53.5156)

Have a look what the booklet for
XYZ(19.5938, 8.9368, 53.5156)
contains.

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Color

**XYZ(19.5938, 8.9368,
53.5156)**

Conversions

Conversions Part 1

Format	Color
Hex	8400C5
RGB	132, 0, 197
RGB Percent	52%, 0%, 77%
CMY	0.4823, 1.0000, 0.2274
CMYK	0.33, 1.00, 0.00, 0.23
HSL	280°, 100%, 39%
HSV	280°, 100%, 77%
XYZ	19.5938, 8.9368, 53.5156
YIQ	61.9260, 15.4350, 89.2510

Conversions

Conversions Part 2

Format	Color
R_{YB}	132, 0, 197
Decimal	8650949
CIE _{Lab}	35.86, 71.82, -68.42
CIE _{LCh}	36, 99.194, 316.391
Yxy	8.9368, 0.2388, 0.1089
Android (android.graphics.Color)	4286841029 (0xFF8400C5)
YUV	61.9260, 66.5915, 61.4549
Hunter-Lab	29.8945, 64.6793, -85.2118

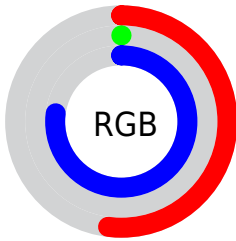
Details

The XYZ color **19.5938, 8.9368, 53.5156** is a dark color, and the websafe version is hex **9900CC**.

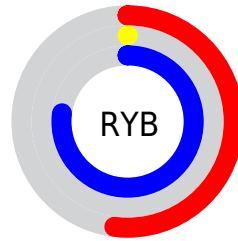
The color can be described as dark washed purple. A complement of this color would be **22.1464, 41.0565, 6.7576**, and the grayscale version is **4.4744, 4.7074, 5.1263**.

A 20% lighter version of the original color is **42.2602, 23.7451, 96.9637**, and **7.6301, 3.3695, 25.8394** is the 20% darker color. If you saturate the color by 10%, you get **19.5941, 8.9369, 53.5158**, and if you desaturate by 10%, it is **20.8877, 9.9674, 53.6465**.

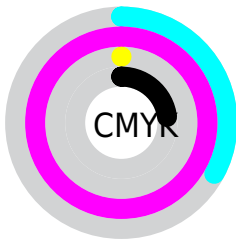
Distribution



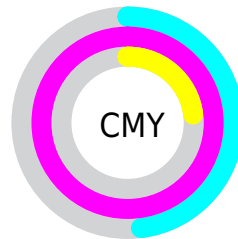
- Red (52%)
- Green (0%)
- Blue (77%)



- Red (52%)
- Yellow (0%)
- Blue (77%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)



- Cyan (48%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5938, 8.9368, 53.5156 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 19.5938, 8.9368, 53.5156 by changing the saturation by 10% instead.


 19.5938, 8.9368,
53.5156


 19.5938, 8.9368,
53.5156


242.5832,
182.9057, 417.3824


 12.2067, 4.7000,
37.8240


 42.2443, 23.7755,
96.8119


 6.9578, 2.0723,
25.5453


 58.2383, 35.1462,
125.2536


 3.4818, 0.6490,
16.2611


 77.8320, 49.6636,
158.7824

 1.4134, 0.0000,
9.5528

 101.3908, 67.7122,
197.8169

 0.2657, 0.0000,
5.0017

 129.2799, 89.6763,
242.7757

 0.0000, 0.0000,
2.1895

 161.8648,

 0.0000, 0.0000,

115.9403, 294.0771

0.6683

199.5108,
146.8887, 352.1399

0.0000, 0.0000,
0.0000

19.5938, 8.9368,
53.5156

19.5938, 8.9368,
53.5156

19.5941, 8.9369,
53.5158

20.8877, 9.9674,
53.6465

22.4945, 11.5289,
53.8632

24.5034, 13.7974,
54.1952

26.9610, 16.8643,
54.6577

29.9068, 20.8073,
55.2635

■ 33.3756, 25.6944,
56.0239

■ 37.3988, 31.5868,
56.9493

■ 42.0051, 38.5407,
58.0487

■ 47.2211, 46.6076,
59.3309

Harmonies

Analogous

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



12.1013, 8.9368, 85.5910



19.5938, 8.9368, 53.5156



24.9053, 8.9368, 19.5120

Triad

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



19.5938, 8.9368, 53.5156



11.4421, 8.9368, 0.0000



1.6089, 8.9368, 22.0286

Complementary

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



19.5938, 8.9368, 53.5156



22.1464, 41.0565, 6.7576

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.



1.5625, 8.9368, 3.9269



19.5938, 8.9368, 53.5156



5.6861, 8.9368, 0.0000

Square

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



19.5938, 8.9368, 53.5156



18.9237, 8.9368, 0.0000



2.6556, 8.9368, 0.0000



2.8385, 8.9368, 57.0557

Rectangle

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



19.5938, 8.9368, 53.5156



25.4151, 8.9368, 6.5526



2.6556, 8.9368, 0.0000



1.4839, 8.9368, 13.7991

Sweetspot

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



19.5943, 8.9371, 53.5158



66.6261, 56.0434, 101.9136



12.0071, 7.8892, 53.7134



13.5781, 10.9879, 21.6552



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.



19.5943, 8.9371, 53.5158



34.8152, 15.8628, 95.8346



29.7421, 14.5568, 36.4435



10.7299, 10.6345, 13.4046



12.9791, 5.9252, 35.2040



0.6887, 0.3188, 1.6704

Inverse Universe

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



23.9803, 12.2521, 6.1022



42.8455, 21.9022, 10.3846



20.2386, 40.0416, 8.0890



10.7758, 10.6937, 11.8025



15.8075, 8.0726, 4.1962



0.7821, 0.3957, 0.3759

Previews

White Background



This preview shows how the XYZ color 19.5938, 8.9368, 53.5156 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

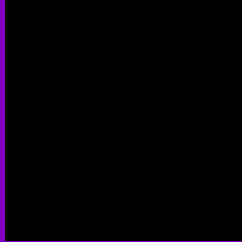
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5938, 8.9368, 53.5156

Background



This preview shows how black text looks on a background with the XYZ color 19.5938, 8.9368, 53.5156.



This preview shows how white text looks on a background with the XYZ color 19.5938, 8.9368,

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

19.5938, 8.9368, 53.5156

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

9.2399, 9.4118, 31.0354



Tritanopia

10.7708, 9.3118, 9.4133

Trichromacy



Original Color

19.5938, 8.9368, 53.5156

Protanomaly

11.1438, 6.6353, 46.0408

Deuteranomaly

9.7499, 6.3818, 37.7637

Tritanomaly

12.3442, 7.5738, 19.8801

Monochromacy



Original Color

19.5938, 8.9368, 53.5156

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5252, 4.6250, 15.5350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5938, 8.9368, 53.5156 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(132, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 197)  
}
```

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(132, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 19.5938, 8.9368, 53.5156 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(132, 0, 197) }
```


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

```
.border{ border-color:rgb(132, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5938, 8.9368, 53.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 197) }
```

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

```
.background{ background-color: rgb(132, 0,  
197) }
```

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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