

Converting Colors

XYZ(39.2143, 19.8252, 19.4807)

Have a look what the booklet for
XYZ(39.2143, 19.8252, 19.4807)
contains.

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Color

**XYZ(39.3253, 19.8813,
19.5341)**

Conversions

Conversions Part 1

Format	Color
Hex	F00078
RGB	240, 0, 120
RGB Percent	94%, 0%, 47%
CMY	0.0588, 0.9998, 0.5294
CMYK	0.00, 1.00, 0.50, 0.06
HSL	330°, 100%, 47%
HSV	330°, 100%, 94%
XYZ	39.3253, 19.8813, 19.5341
YIQ	85.4400, 104.5200, 88.2000

Conversions

Conversions Part 2

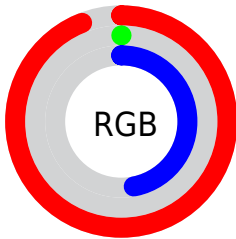
Format	Color
R_{YB}	240, 0, 120
Decimal	15728760
CIE _{Lab}	51.70, 80.75, 3.93
CIE _{LCh}	52, 80.849, 2.786
Yxy	19.8813, 0.4994, 0.2525
Android (android.graphics.Color)	4293918840 (0xFFFF0078)
YUV	85.4400, 17.0381, 135.5491
Hunter-Lab	44.5885, 79.4003, 5.2371

Details

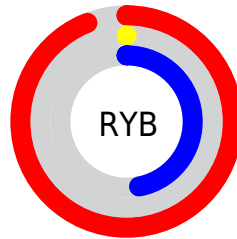
The XYZ color **39.3253, 19.8813, 19.5341** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **34.5542, 63.6777, 28.2570**, and the grayscale version is **8.6834, 9.1356, 9.9487**.

A 20% lighter version of the original color is **52.8693, 32.6043, 42.5365**, and **19.3012, 9.8150, 7.0081** is the 20% darker color. If you saturate the color by 10%, you get **39.3235, 19.8806, 19.5251**, and if you desaturate by 10%, it is **40.4279, 20.8468, 23.7239**.

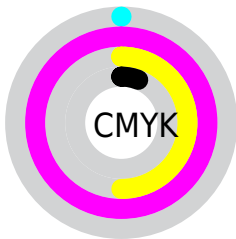
Distribution



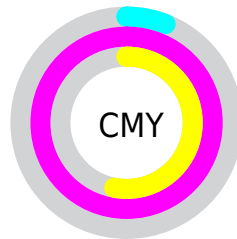
- Red (94%)
- Green (0%)
- Blue (47%)



- Red (94%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3253, 19.8813, 19.5341 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 39.3253, 19.8813, 19.5341 by changing the saturation by 10% instead.


 39.3253, 19.8813,
19.5341


 39.3253, 19.8813,
19.5341


334.4549,
251.2718, 261.9019


 27.1947, 12.3088,
11.8761


 73.4259, 43.2181,
43.4833


 17.8569, 6.9543,
6.5379


 96.1267, 59.7512,
60.6117


 10.9463, 3.4336,
3.1008


 123.0815, 80.0399,
81.7339

 6.0978, 1.3621,
1.1463

 154.6558,
104.4686, 107.2685

 2.9459, 0.1885,
0.0000

 191.2150,
133.4218, 137.6341

 1.1252, 0.0000,
0.0000

 233.1243,

 0.0460, 0.0000,

167.2838, 173.2491

0.0000

280.7492,
206.4390, 214.5322

■ 0.0000, 0.0000,
0.0000

■ 39.3253, 19.8813,
19.5341

■ 39.3253, 19.8813,
19.5341

■ 39.3235, 19.8806,
19.5251

■ 40.4279, 20.8468,
23.7239

■ 42.0288, 22.6575,
28.5461

■ 44.2575, 25.5678,
34.0588

■ 47.1920, 29.7288,
40.3023

■ 50.8980, 35.2676,
47.3123

■ 55.4331, 42.2954,
55.1212

■ 60.8495, 50.9119,
63.7590

■ 67.1946, 61.2083,
73.2538

■ 74.5124, 73.2687,
83.6322

Harmonies

Analogous

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



36.5877, 19.8813, 49.4215



39.3253, 19.8813, 19.5341



35.4147, 19.8813, 5.2836

Triad

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



39.3253, 19.8813, 19.5341



11.6040, 19.8813, 1.5777



12.5856, 19.8813, 91.3459

Complementary

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



39.3253, 19.8813, 19.5341



34.5542, 63.6777, 28.2570

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.



8.5293, 19.8813, 56.2812



39.3253, 19.8813, 19.5341



8.0880, 19.8813, 6.9047

Square

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



39.3253, 19.8813, 19.5341



18.1435, 19.8813, 0.5865



7.1499, 19.8813, 23.9078



19.6702, 19.8813, 104.8227

Rectangle

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



39.3253, 19.8813, 19.5341



30.0760, 19.8813, 1.9518



7.1499, 19.8813, 23.9078



10.9004, 19.8813, 80.8604

Sweetspot

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



39.3258, 19.8825, 19.5344



69.7508, 58.2964, 73.0453



23.4784, 10.2876, 83.1860



14.3407, 11.5355, 14.7130



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.



39.3258, 19.8825, 19.5344



45.1015, 22.8046, 22.2644



35.9360, 18.5265, 1.6836



16.1024, 15.8907, 18.0952



21.5936, 10.9099, 11.0423



1.8466, 0.9277, 1.1831

Inverse Universe

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



39.3258, 19.8825, 19.5344



45.1015, 22.8046, 22.2644



46.8888, 68.6115, 93.2098



16.1024, 15.8907, 18.0952



21.5936, 10.9099, 11.0423



1.8466, 0.9277, 1.1831

Previews

White Background



This preview shows how the XYZ color 39.3253, 19.8813, 19.5341 looks on a white background.

Color Contrast Check

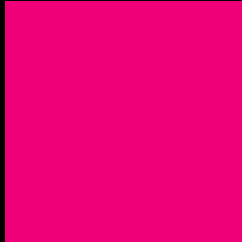
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 39.3253, 19.8813, 19.5341 looks on a black 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 × Fail

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

XYZ 39.3253, 19.8813, 19.5341

Background



This preview shows how black text looks on a background with the XYZ color 39.3253, 19.8813, 19.5341.



This preview shows how white text looks on a background with the XYZ color 39.3253, 19.8813,

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

39.3253, 19.8813, 19.5341

Protanopia

21.0562, 20.4980, 42.3819

Deuteranopia

20.6863, 20.3095, 17.5817



Tritanopia

36.5155, 20.3318, 4.7962

Trichromacy



Original Color

39.3253, 19.8813, 19.5341



Protanomaly

22.4618, 14.9500, 32.2736



Deuteranomaly

23.9818, 15.8488, 17.7147



Tritanomaly

36.9859, 19.6515, 8.3223

Monochromacy



Original Color

39.3253, 19.8813, 19.5341



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.5083, 9.1829, 12.5631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3253, 19.8813, 19.5341 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(240, 0, 120)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 120)  
}
```

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(240, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 120) }
```

Border

The CSS property to change the border of an element to XYZ 39.3253, 19.8813, 19.5341 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(240, 0, 120) }
```


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

```
.border{ border-color:rgb(240, 0, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3253, 19.8813, 19.5341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 120) }
```

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

```
.background{ background-color: rgb(240, 0,  
120) }
```

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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