

Converting Colors

XYZ(39.4659, 20.0263, 16.2625)

Have a look what the booklet for
XYZ(39.4659, 20.0263, 16.2625)
contains.

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Color

**XYZ(39.3783, 19.9814,
16.2493)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F2006D |
| RGB | 242, 0, 109 |
| RGB Percent | 95%, 0%, 43% |
| CMY | 0.0510, 0.9998, 0.5725 |
| CMYK | 0.00, 1.00, 0.55, 0.05 |
| HSL | 333°, 100%, 47% |
| HSV | 333°, 100%, 95% |
| XYZ | 39.3783, 19.9814, 16.2493 |
| YIQ | 84.7840, 109.2430, 85.2030 |

Conversions

Conversions Part 2

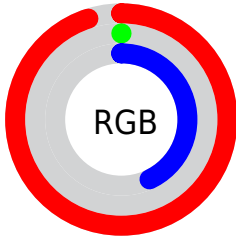
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 242, 0, 109 |
| Decimal | 15859821 |
| CIE _{Lab} | 51.82, 80.43, 10.84 |
| CIE _{LCh} | 52, 81.159, 7.675 |
| Yxy | 19.9814, 0.5208, 0.2643 |
| Android (android.graphics.Color) | 4294049901 (0xFFFF2006D) |
| YUV | 84.7840, 11.9385, 137.8784 |
| Hunter-Lab | 44.7006, 79.0210, 9.7376 |

Details

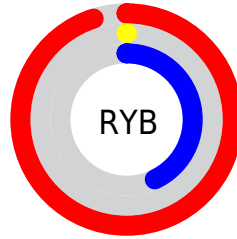
The XYZ color **39.3783, 19.9814, 16.2493** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.9905, 65.1995, 32.8997**, and the grayscale version is **8.5563, 9.0019, 9.8031**.

A 20% lighter version of the original color is **51.7680, 32.1638, 36.7375**, and **19.2296, 9.8128, 5.4380** is the 20% darker color. If you saturate the color by 10%, you get **39.3764, 19.9806, 16.2400**, and if you desaturate by 10%, it is **40.4815, 20.9539, 20.4220**.

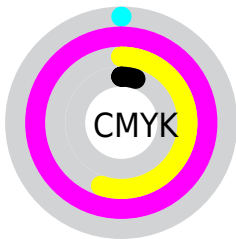
Distribution



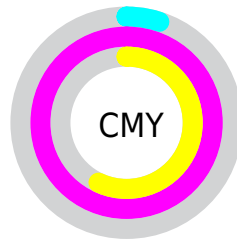
- Red (95%)
- Green (0%)
- Blue (43%)



- Red (95%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3783, 19.9814, 16.2493 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 39.3783, 19.9814, 16.2493 by changing the saturation by 10% instead.


 39.3783, 19.9814,
16.2493

 39.3783, 19.9814,
16.2493


334.6757,
251.8144, 242.7041


 27.2362, 12.3815,
9.5445


 73.5063, 43.3860,
37.8033

 17.8882, 7.0041,
4.9964


 96.2228, 59.9595,
53.4895


 10.9689, 3.4646,
2.1864


 123.1949, 80.2930,
73.0066

 6.1131, 1.3789,
0.6665

 154.7879,
104.7709, 96.7731

 2.9553, 0.2011,
0.0000

 191.3671,
133.7776, 125.2075

 1.1302, 0.0000,
0.0000

 233.2979,

 0.0501, 0.0000,

167.6975, 158.7285

0.0000

280.9457,
206.9150, 197.7545

■ 0.0000, 0.0000,
0.0000

■ 39.3783, 19.9814,
16.2493

■ 39.3783, 19.9814,
16.2493

■ 39.3764, 19.9806,
16.2400

■ 40.4815, 20.9539,
20.4220

■ 42.1097, 22.7953,
25.3268

■ 44.3957, 25.7647,
31.0293

■ 47.4201, 30.0169,
37.5764

■ 51.2512, 35.6819,
45.0099

■ 55.9487, 42.8738,
53.3682

■ 61.5667, 51.6946,
62.6866

■ 68.1545, 62.2377,
72.9984

■ 75.7579, 74.5893,
84.3351

Harmonies

Analogous

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



37.7050, 19.9814, 43.9018



39.3783, 19.9814, 16.2493



34.4652, 19.9814, 4.1527

Triad

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



39.3783, 19.9814, 16.2493



10.8713, 19.9814, 1.9907



13.5942, 19.9814, 96.3329

Complementary

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



39.3783, 19.9814, 16.2493



35.9905, 65.1995, 32.8997

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.



9.0211, 19.9814, 62.8532



39.3783, 19.9814, 16.2493



7.7951, 19.9814, 8.6858

Square

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



39.3783, 19.9814, 16.2493



16.9564, 19.9814, 0.6227



7.2326, 19.9814, 28.3852



21.1837, 19.9814, 104.6221

Rectangle

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



39.3783, 19.9814, 16.2493



28.7684, 19.9814, 1.5377



7.2326, 19.9814, 28.3852



11.7267, 19.9814, 86.8851

Sweetspot

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



39.3788, 19.9826, 16.2496



69.2635, 58.1015, 70.4792



25.0952, 11.0866, 84.8214



14.2259, 11.4896, 14.1080



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.



39.3788, 19.9826, 16.2496



44.3242, 22.4937, 18.1713



36.7063, 19.0537, 1.7448



16.0687, 15.8772, 17.9178



21.2201, 10.7605, 9.0758



1.8148, 0.9150, 1.0155

Inverse Universe

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



39.3788, 19.9826, 16.2496



44.3242, 22.4937, 18.1713



45.4320, 65.2198, 94.1983



16.0687, 15.8772, 17.9178



21.2201, 10.7605, 9.0758



1.8148, 0.9150, 1.0155

Previews

White Background



This preview shows how the XYZ color 39.3783, 19.9814, 16.2493 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 39.3783, 19.9814, 16.2493 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 39.3783, 19.9814, 16.2493

Background



This preview shows how black text looks on a background with the XYZ color 39.3783, 19.9814, 16.2493.



This preview shows how white text looks on a background with the XYZ color 39.3783, 19.9814,

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

39.3783, 19.9814, 16.2493

Protanopia

20.7153, 20.6658, 35.2448

Deuteranopia

20.8227, 20.4448, 14.6531



Tritanopia

36.8784, 20.2456, 4.1546

Trichromacy



Original Color

39.3783, 19.9814, 16.2493



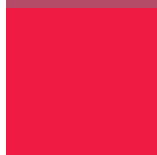
Protanomaly

22.4299, 15.1668, 26.5562



Deuteranomaly

24.0887, 15.9719, 14.6452



Tritanomaly

37.3105, 19.7025, 6.9907

Monochromacy



Original Color

39.3783, 19.9814, 16.2493



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.4949, 9.1973, 11.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3783, 19.9814, 16.2493 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(242, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 109)  
}
```

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(242, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 39.3783, 19.9814, 16.2493 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(242, 0, 109) }
```


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

```
.border{ border-color:rgb(242, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3783, 19.9814, 16.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 109) }
```

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

```
.background{ background-color: rgb(242, 0,  
109) }
```

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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