

Converting Colors

XYZ(38.4241, 19.5091, 15.3196)

Have a look what the booklet for
XYZ(38.4241, 19.5091, 15.3196)
contains.

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Color

**XYZ(38.5367, 19.5659,
15.3811)**

Conversions

Conversions Part 1

Format	Color
Hex	F0006A
RGB	240, 0, 106
RGB Percent	94%, 0%, 42%
CMY	0.0588, 0.9998, 0.5843
CMYK	0.00, 1.00, 0.56, 0.06
HSL	334°, 100%, 47%
HSV	334°, 100%, 94%
XYZ	38.5367, 19.5659, 15.3811
YIQ	83.8440, 109.0140, 83.8460

Conversions

Conversions Part 2

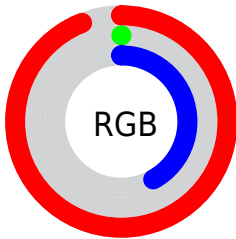
Format	Color
R_{YB}	240, 0, 106
Decimal	15728746
CIE _{Lab}	51.34, 79.80, 11.95
CIE _{LCh}	51, 80.687, 8.515
Yxy	19.5659, 0.5244, 0.2663
Android (android.graphics.Color)	4293918826 (0xFFFF006A)
YUV	83.8440, 10.9229, 136.9488
Hunter-Lab	44.2334, 78.1032, 10.3467

Details

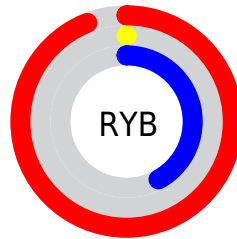
The XYZ color **38.5367, 19.5659, 15.3811** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.4679, 64.0432, 33.0682**, and the grayscale version is **8.3640, 8.7996, 9.5827**.

A 20% lighter version of the original color is **51.5087, 32.0601, 35.3717**, and **18.7201, 9.5564, 5.1329** is the 20% darker color. If you saturate the color by 10%, you get **38.5348, 19.5651, 15.3720**, and if you desaturate by 10%, it is **39.6169, 20.5225, 19.4533**.

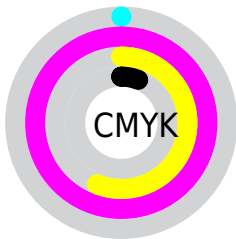
Distribution



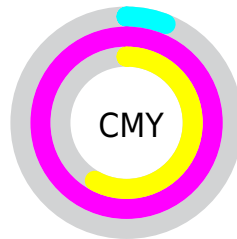
- Red (94%)
- Green (0%)
- Blue (42%)



- Red (94%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5367, 19.5659, 15.3811 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 38.5367, 19.5659, 15.3811 by changing the saturation by 10% instead.


 38.5367, 19.5659,
15.3811


 38.5367, 19.5659,
15.3811


331.1579,
249.5553, 237.3812


 26.5786, 12.0799,
8.9377


 72.2286, 42.6882,
36.2721


 17.3919, 6.7981,
4.6043


 94.6932, 59.0932,
51.5567

 10.6114, 3.3362,
1.9624


 121.3906, 79.2401,
70.6256

 5.8715, 1.3097,
0.5320

 152.6862,
103.5132, 93.8971

 2.8070, 0.1487,
0.0000

 188.9454,
132.2968, 121.7899

 1.0525, 0.0000,
0.0000

 230.5335,

 0.0000, 0.0000,

165.9755, 154.7225

0.0000

277.8159,
204.9335, 193.1134

■ 38.5367, 19.5659,
15.3811

■ 38.5367, 19.5659,
15.3811

■ 38.5348, 19.5651,
15.3720

■ 39.6169, 20.5225,
19.4533

■ 41.2147, 22.3321,
24.2586

■ 43.4609, 25.2495,
29.8628

■ 46.4347, 29.4264,
36.3131

■ 50.2031, 34.9903,
43.6514

■ 54.8250, 42.0529,
51.9162

■ 60.3533, 50.7144,
61.1432

■ 66.8368, 61.0663,
71.3659

■ 74.3202, 73.1931,
82.6160

Harmonies

Analogous

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



37.0817, 19.5659, 42.0626



38.5367, 19.5659, 15.3811



33.5616, 19.5659, 3.8886

Triad

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



38.5367, 19.5659, 15.3811



10.5148, 19.5659, 2.0234



13.4755, 19.5659, 95.1167

Complementary

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



38.5367, 19.5659, 15.3811



35.4679, 64.0432, 33.0682

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.



8.9104, 19.5659, 62.6567



38.5367, 19.5659, 15.3811



7.5770, 19.5659, 8.8260

Square

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



38.5367, 19.5659, 15.3811



16.3938, 19.5659, 0.6100



7.0895, 19.5659, 28.5801



20.9889, 19.5659, 102.3324

Rectangle

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



38.5367, 19.5659, 15.3811



27.9291, 19.5659, 1.4403



7.0895, 19.5659, 28.5801



11.6162, 19.5659, 86.0589

Sweetspot

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



38.5372, 19.5671, 15.3814



69.1787, 58.0676, 70.0327



25.2487, 11.2002, 83.2688



14.2059, 11.4816, 14.0030



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.



38.5372, 19.5671, 15.3814



44.1976, 22.4430, 17.5044



36.0675, 18.7896, 1.7275



16.0627, 15.8748, 17.8866



21.1591, 10.7361, 8.7543



1.8095, 0.9128, 0.9876

Inverse Universe

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



38.5372, 19.5671, 15.3814



44.1976, 22.4430, 17.5044



43.4730, 61.7798, 92.0711



16.0627, 15.8748, 17.8866



21.1591, 10.7361, 8.7543



1.8095, 0.9128, 0.9876

Previews

White Background



This preview shows how the XYZ color 38.5367, 19.5659, 15.3811 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 38.5367, 19.5659, 15.3811 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 38.5367, 19.5659, 15.3811

Background



This preview shows how black text looks on a background with the XYZ color 38.5367, 19.5659, 15.3811.

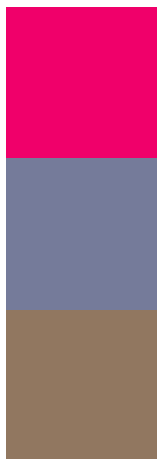


This preview shows how white text looks on a background with the XYZ color 38.5367, 19.5659,

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

38.5367, 19.5659, 15.3811

Protanopia

20.2518, 20.2809, 33.4191

Deuteranopia

20.3852, 20.0579, 13.8635



Tritanopia

36.1533, 19.8205, 4.0181

Trichromacy



Original Color

38.5367, 19.5659, 15.3811



Protanomaly

22.1400, 14.9363, 25.3830



Deuteranomaly

23.7071, 15.7923, 13.8553



Tritanomaly

36.6060, 19.3427, 6.8052

Monochromacy



Original Color

38.5367, 19.5659, 15.3811



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1894, 8.9816, 11.1110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5367, 19.5659, 15.3811 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 38.5367, 19.5659, 15.3811 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, 106) }
```


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

```
.border{ border-color:rgb(240, 0, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5367, 19.5659, 15.3811 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, 106) }
```

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

```
.background{ background-color: rgb(240, 0,  
106) }
```

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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