

Converting Colors

XYZ(38.8191, 19.5680, 21.8790)

Have a look what the booklet for
XYZ(38.8191, 19.5680, 21.8790)
contains.

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Color

**XYZ(38.7558, 19.5368,
21.8070)**

Conversions

Conversions Part 1

Format	Color
Hex	ED007F
RGB	237, 0, 127
RGB Percent	93%, 0%, 50%
CMY	0.0706, 0.9998, 0.5020
CMYK	0.00, 1.00, 0.46, 0.07
HSL	328°, 100%, 46%
HSV	328°, 100%, 93%
XYZ	38.7558, 19.5368, 21.8070
YIQ	85.3410, 100.4850, 89.7410

Conversions

Conversions Part 2

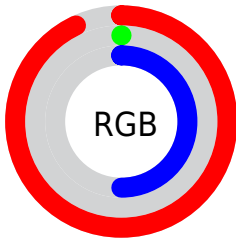
Format	Color
RYB	237, 0, 127
Decimal	15532159
CIELab	51.31, 80.64, -0.96
CIELCh	51, 80.647, 359.315
Yxy	19.5368, 0.4838, 0.2439
Android (android.graphics.Color)	4293722239 (0xFFED007F)
YUV	85.3410, 20.5379, 133.0049
Hunter-Lab	44.2005, 79.1614, 1.6886

Details

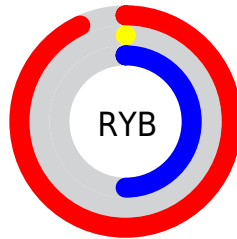
The XYZ color **38.7558, 19.5368, 21.8070** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **33.1021, 61.6955, 24.9307**, and the grayscale version is **8.6558, 9.1065, 9.9170**.

A 20% lighter version of the original color is **53.6611, 32.9210, 46.7062**, and **18.8307, 9.5487, 8.0583** is the 20% darker color. If you saturate the color by 10%, you get **38.7541, 19.5361, 21.7986**, and if you desaturate by 10%, it is **39.8342, 20.4827, 25.8999**.

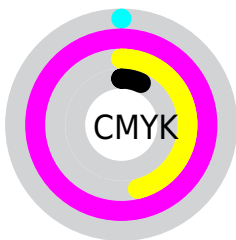
Distribution



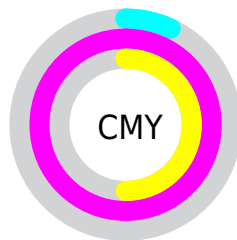
- Red (93%)
- Green (0%)
- Blue (50%)



- Red (93%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7558, 19.5368, 21.8070 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 38.7558, 19.5368, 21.8070 by changing the saturation by 10% instead.


 38.7558, 19.5368,
21.8070


 38.7558, 19.5368,
21.8070


332.0762,
249.3964, 274.4573


 26.7497, 12.0588,
13.5182


 72.5616, 42.6392,
47.3249


 17.5209, 6.7837,
7.6514


 95.0919, 59.0324,
65.3911


 10.7042, 3.3272,
3.7882


 121.8611, 79.1661,
87.5534

 5.9341, 1.3049,
1.5099

 153.2344,
103.4248, 114.2306

 2.8453, 0.1450,
0.2253

 189.5772,
132.1927, 145.8410

 1.0725, 0.0000,
0.0000

 231.2549,

 0.0019, 0.0000,

165.8544, 182.8032

0.0000

278.6328,
204.7941, 225.5358

■ 0.0000, 0.0000,
0.0000

■ 38.7558, 19.5368,
21.8070

■ 38.7558, 19.5368,
21.8070

■ 38.7541, 19.5361,
21.7986

■ 39.8342, 20.4827,
25.8999

■ 41.3849, 22.2440,
30.5482

■ 43.5338, 25.0688,
35.8055

■ 46.3556, 29.1032,
41.7074

■ 49.9135, 34.4700,
48.2854

■ 54.2630, 41.2769,
55.5680

■ 59.4539, 49.6204,
63.5818

■ 65.5317, 59.5887,
72.3512

■ 72.5387, 71.2631,
81.8994

Harmonies

Analogous

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



35.3233, 19.5368, 52.8790



38.7558, 19.5368, 21.8070



35.6083, 19.5368, 6.1089

Triad

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



38.7558, 19.5368, 21.8070



11.9725, 19.5368, 1.3017



11.7347, 19.5368, 86.7447

Complementary

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



38.7558, 19.5368, 21.8070



33.1021, 61.6955, 24.9307

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.



8.0752, 19.5368, 51.2113



38.7558, 19.5368, 21.8070



8.1819, 19.5368, 5.7177

Square

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



38.7558, 19.5368, 21.8070



18.7549, 19.5368, 0.5469



6.9902, 19.5368, 20.7463



18.3846, 19.5368, 103.5697

Rectangle

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



38.7558, 19.5368, 21.8070



30.6037, 19.5368, 2.2515



6.9902, 19.5368, 20.7463



10.1931, 19.5368, 75.7364

Sweetspot

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



38.7563, 19.5380, 21.8073



70.1103, 58.4402, 74.9385



21.3115, 9.2215, 80.7772



14.4258, 11.5695, 15.1608



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.



38.7563, 19.5380, 21.8073



45.7281, 23.0552, 25.5640



34.9913, 18.0319, 1.9809



15.4029, 15.1890, 17.4067



21.2254, 10.6929, 12.2544



1.7152, 0.8591, 1.2178

Inverse Universe

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



38.7563, 19.5380, 21.8073



45.7281, 23.0552, 25.5640



43.8962, 66.0131, 81.7715



15.4029, 15.1890, 17.4067



21.2254, 10.6929, 12.2544



1.7152, 0.8591, 1.2178

Previews

White Background



This preview shows how the XYZ color 38.7558, 19.5368, 21.8070 looks on a white background.

Color Contrast Check

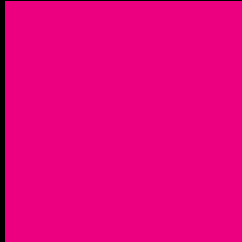
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7558, 19.5368, 21.8070 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 38.7558, 19.5368, 21.8070

Background



This preview shows how black text looks on a background with the XYZ color 38.7558, 19.5368, 21.8070.



This preview shows how white text looks on a background with the XYZ color 38.7558, 19.5368,

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

38.7558, 19.5368, 21.8070

Protanopia

21.2157, 20.2810, 47.5962

Deuteranopia

20.4086, 20.1206, 19.6376



Tritanopia

35.3424, 19.8439, 5.0995

Trichromacy



Original Color

38.7558, 19.5368, 21.8070



Protanomaly

22.2841, 14.7685, 36.3264



Deuteranomaly

23.4912, 15.5480, 19.8521



Tritanomaly

35.8595, 19.0900, 9.1919

Monochromacy



Original Color

38.7558, 19.5368, 21.8070



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.4346, 9.1339, 13.0588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7558, 19.5368, 21.8070 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(237, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 127)  
}
```

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(237, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 38.7558, 19.5368, 21.8070 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(237, 0, 127) }
```


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

```
.border{ border-color:rgb(237, 0, 127) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7558, 19.5368, 21.8070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 127) }
```

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

```
.background{ background-color: rgb(237, 0,  
127) }
```

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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