

Converting Colors

XYZ(37.8227, 19.0716, 21.0481)

Have a look what the booklet for
XYZ(37.8227, 19.0716, 21.0481)
contains.

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Color

**XYZ(37.9626, 19.1428,
21.0961)**

Conversions

Conversions Part 1

Format	Color
Hex	EB007D
RGB	235, 0, 125
RGB Percent	92%, 0%, 49%
CMY	0.0784, 0.9998, 0.5098
CMYK	0.00, 1.00, 0.47, 0.08
HSL	328°, 100%, 46%
HSV	328°, 100%, 92%
XYZ	37.9626, 19.1428, 21.0961
YIQ	84.5150, 99.9350, 88.6950

Conversions

Conversions Part 2

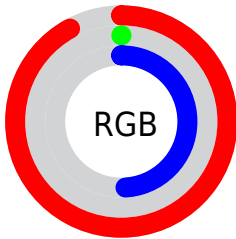
Format	Color
R_{YB}	235, 0, 125
Decimal	15401085
CIE Lab	50.85, 80.06, -0.46
CIE LCh	51, 80.060, 359.668
Yxy	19.1428, 0.4854, 0.2448
Android (android.graphics.Color)	4293591165 (0xFFEB007D)
YUV	84.5150, 19.9591, 131.9753
Hunter-Lab	43.7525, 78.3118, 2.0389

Details

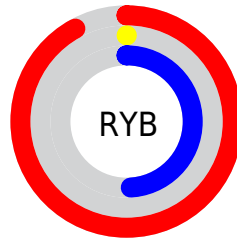
The XYZ color **37.9626, 19.1428, 21.0961** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.5262, 60.5438, 24.7385**, and the grayscale version is **8.4848, 8.9266, 9.7211**.

A 20% lighter version of the original color is **53.2680, 32.6187, 45.0835**, and **18.3178, 9.2925, 7.6656** is the 20% darker color. If you saturate the color by 10%, you get **37.9610, 19.1422, 21.0880**, and if you desaturate by 10%, it is **39.0225, 20.0747, 25.1116**.

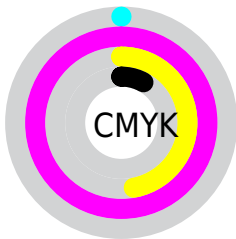
Distribution



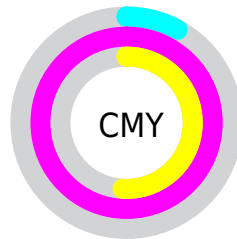
- Red (92%)
- Green (0%)
- Blue (49%)



- Red (92%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9626, 19.1428, 21.0961 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 37.9626, 19.1428, 21.0961 by changing the saturation by 10% instead.


 37.9626, 19.1428,
21.0961


 37.9626, 19.1428,
21.0961

328.7431,
247.2360, 270.5866


 26.1307, 11.7735,
13.0023


 71.3551, 41.9753,
46.1303


 17.0547, 6.5896,
7.2994


 93.6464, 58.2072,
63.9078


 10.3690, 3.2068,
3.5688


 120.1549, 78.1622,
85.7503

 5.7084, 1.2406,
1.3919

 151.2460,
102.2245, 112.0763

 2.7076, 0.0945,
0.1354

 187.2851,
130.7787, 143.3044

 1.0011, 0.0000,
0.0000

 228.6373,

 0.0000, 0.0000,

164.2091, 179.8531

0.0000

275.6682,
202.9000, 222.1410

■ 37.9626, 19.1428,
21.0961

■ 37.9626, 19.1428,
21.0961

■ 37.9610, 19.1422,
21.0880

■ 39.0225, 20.0747,
25.1116

■ 40.5463, 21.8061,
29.6778

■ 42.6579, 24.5807,
34.8473

■ 45.4306, 28.5418,
40.6556

■ 48.9262, 33.8096,
47.1338

■ 53.1990, 40.4895,
54.3100

■ 58.2980, 48.6762,
62.2105

■ 64.2679, 58.4559,
70.8596

■ 71.1500, 69.9085,
80.2802

Harmonies

Analogous

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



34.6733, 19.1428, 51.3696



37.9626, 19.1428, 21.0961



34.8086, 19.1428, 5.8897

Triad

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



37.9626, 19.1428, 21.0961



11.6734, 19.1428, 1.2991



11.5604, 19.1428, 85.2925

Complementary

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



37.9626, 19.1428, 21.0961



32.5262, 60.5438, 24.7385

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.



7.9427, 19.1428, 50.5779



37.9626, 19.1428, 21.0961



7.9934, 19.1428, 5.7039

Square

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



37.9626, 19.1428, 21.0961



18.2827, 19.1428, 0.5328



6.8529, 19.1428, 20.5924



18.1069, 19.1428, 101.4225

Rectangle

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



37.9626, 19.1428, 21.0961



29.8804, 19.1428, 2.1713



6.8529, 19.1428, 20.5924



10.0387, 19.1428, 74.5746

Sweetspot

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



37.9631, 19.1439, 21.0964



70.0704, 58.4243, 74.7286



21.3884, 9.2947, 79.2638



14.4163, 11.5658, 15.1110



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.



37.9631, 19.1439, 21.0964



45.6564, 23.0266, 25.1865



34.3046, 17.6805, 1.8310



15.4003, 15.1880, 17.3932



21.1922, 10.6796, 12.0796



1.7127, 0.8580, 1.2042

Inverse Universe

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



37.9631, 19.1439, 21.0964



45.6564, 23.0266, 25.1865



43.5973, 64.9722, 83.0379



15.4003, 15.1880, 17.3932



21.1922, 10.6796, 12.0796



1.7127, 0.8580, 1.2042

Previews

White Background



This preview shows how the XYZ color 37.9626, 19.1428, 21.0961 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 37.9626, 19.1428, 21.0961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

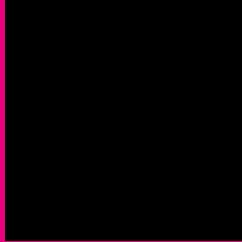
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.9626, 19.1428, 21.0961

Background



This preview shows how black text looks on a background with the XYZ color 37.9626, 19.1428, 21.0961.



This preview shows how white text looks on a background with the XYZ color 37.9626, 19.1428,

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

37.9626, 19.1428, 21.0961

Protanopia

20.6691, 19.8536, 45.9228

Deuteranopia

20.0079, 19.7498, 18.9772



Tritanopia

34.6713, 19.5004, 4.9542

Trichromacy



Original Color

37.9626, 19.1428, 21.0961



Protanomaly

21.7615, 14.4251, 34.8951



Deuteranomaly

23.1478, 15.3850, 19.2023



Tritanomaly

35.1348, 18.7247, 8.7836

Monochromacy



Original Color

37.9626, 19.1428, 21.0961



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 37.9626, 19.1428, 21.0961 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(235, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 125)  
}
```

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(235, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 125) }
```

Border

The CSS property to change the border of an element to XYZ 37.9626, 19.1428, 21.0961 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(235, 0, 125) }
```


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

```
.border{ border-color:rgb(235, 0, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9626, 19.1428, 21.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 125) }
```

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

```
.background{ background-color: rgb(235, 0,  
125) }
```

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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