

Converting Colors

XYZ(38.4851, 19.4344, 20.1202)

Have a look what the booklet for
XYZ(38.4851, 19.4344, 20.1202)
contains.

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Color

**XYZ(38.4379, 19.4097,
20.1329)**

Conversions

Conversions Part 1

Format	Color
Hex	ED007A
RGB	237, 0, 122
RGB Percent	93%, 0%, 48%
CMY	0.0706, 0.9998, 0.5216
CMYK	0.00, 1.00, 0.49, 0.07
HSL	329°, 100%, 46%
HSV	329°, 100%, 93%
XYZ	38.4379, 19.4097, 20.1329
YIQ	84.7710, 102.0900, 88.1860

Conversions

Conversions Part 2

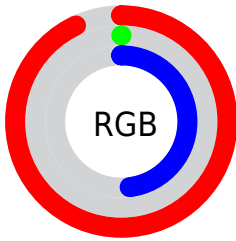
Format	Color
R_{YB}	237, 0, 122
Decimal	15532154
CIE _{Lab}	51.16, 80.26, 1.86
CIE _{LCh}	51, 80.277, 1.326
Yxy	19.4097, 0.4929, 0.2489
Android (android.graphics.Color)	4293722234 (0xFFED007A)
YUV	84.7710, 18.3539, 133.5048
Hunter-Lab	44.0564, 78.6370, 3.7452

Details

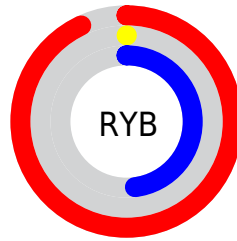
The XYZ color **38.4379, 19.4097, 20.1329** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **33.3826, 61.8076, 26.4075**, and the grayscale version is **8.5414, 8.9863, 9.7860**.

A 20% lighter version of the original color is **53.0629, 32.6817, 43.5559**, and **18.6916, 9.4931, 7.3258** is the 20% darker color. If you saturate the color by 10%, you get **38.4361, 19.4089, 20.1239**, and if you desaturate by 10%, it is **39.5151, 20.3552, 24.2192**.

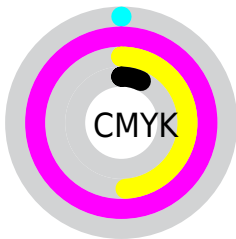
Distribution



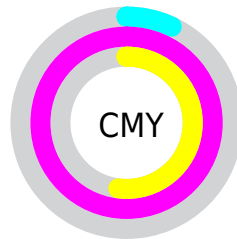
- Red (93%)
- Green (0%)
- Blue (48%)



- Red (93%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4379, 19.4097, 20.1329 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 38.4379, 19.4097, 20.1329 by changing the saturation by 10% instead.


 38.4379, 19.4097,
20.1329


 38.4379, 19.4097,
20.1329


330.7432,
248.7013, 265.2617


 26.5015, 11.9667,
12.3067


 72.0784, 42.4253,
44.5018


 17.3338, 6.7210,
6.8278


 94.5132, 58.7666,
61.8815


 10.5696, 3.2882,
3.2778


 121.1782, 78.8428,
83.2828

 5.8433, 1.2840,
1.2382

 152.4387,
103.0384, 109.1242

 2.7898, 0.1288,
0.0103

 188.6601,
131.7376, 139.8242

 1.0436, 0.0000,
0.0000

 230.2078,

 0.0000, 0.0000,

165.3249, 175.8015

0.0000

277.4470,
204.1846, 217.4744

■ 38.4379, 19.4097,
20.1329

■ 38.4379, 19.4097,
20.1329

■ 38.4361, 19.4089,
20.1239

■ 39.5151, 20.3552,
24.2192

■ 41.0711, 22.1188,
28.8951

■ 43.2321, 24.9486,
34.2157

■ 46.0732, 28.9908,
40.2187

■ 49.6580, 34.3685,
46.9374

■ 54.0421, 41.1895,
54.4019

■ 59.2757, 49.5503,
62.6401

■ 65.4047, 59.5393,
71.6782

■ 72.4715, 71.2378,
81.5408

Harmonies

Analogous

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



35.4550, 19.4097, 50.0167



38.4379, 19.4097, 20.1329



34.9088, 19.4097, 5.5291

Triad

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



38.4379, 19.4097, 20.1329



11.5643, 19.4097, 1.4334



12.0208, 19.4097, 87.9073

Complementary

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



38.4379, 19.4097, 20.1329



33.3826, 61.8076, 26.4075

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.



8.1987, 19.4097, 53.2112



38.4379, 19.4097, 20.1329



7.9936, 19.4097, 6.2815

Square

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



38.4379, 19.4097, 20.1329



18.0954, 19.4097, 0.5563



6.9657, 19.4097, 22.1675



18.8058, 19.4097, 102.5648

Rectangle

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



38.4379, 19.4097, 20.1329



29.7964, 19.4097, 2.0406



6.9657, 19.4097, 22.1675



10.4239, 19.4097, 77.3715

Sweetspot

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



38.4384, 19.4109, 20.1332



69.8981, 58.3553, 73.8208



22.3017, 9.7321, 80.8235



14.3755, 11.5495, 14.8962



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.



38.4384, 19.4109, 20.1332



45.3528, 22.9051, 23.5876



34.9475, 18.0145, 1.7503



15.3891, 15.1835, 17.3343



21.0515, 10.6233, 11.3382



1.7016, 0.8536, 1.1463

Inverse Universe

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



38.4384, 19.4109, 20.1332



45.3528, 22.9051, 23.5876



45.0000, 66.4546, 87.5840



15.3891, 15.1835, 17.3343



21.0515, 10.6233, 11.3382



1.7016, 0.8536, 1.1463

Previews

White Background



This preview shows how the XYZ color 38.4379, 19.4097, 20.1329 looks on a white background.

Color Contrast Check

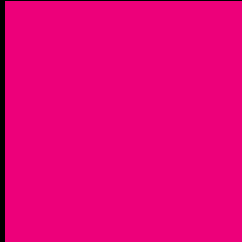
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4379, 19.4097, 20.1329 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 38.4379, 19.4097, 20.1329

Background



This preview shows how black text looks on a background with the XYZ color 38.4379, 19.4097, 20.1329.



This preview shows how white text looks on a background with the XYZ color 38.4379, 19.4097,

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

38.4379, 19.4097, 20.1329

Protanopia

20.7399, 20.1178, 43.8643

Deuteranopia

20.3367, 19.9390, 18.1060



Tritanopia

35.5430, 19.8281, 4.8596

Trichromacy



Original Color

38.4379, 19.4097, 20.1329



Protanomaly

22.0516, 14.7191, 33.1313



Deuteranomaly

23.4160, 15.5438, 18.2891



Tritanomaly

36.0554, 19.1639, 8.6362

Monochromacy



Original Color

38.4379, 19.4097, 20.1329



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3390, 9.0956, 12.5552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4379, 19.4097, 20.1329 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 38.4379, 19.4097, 20.1329 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, 122) }
```


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

```
.border{ border-color:rgb(237, 0, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4379, 19.4097, 20.1329 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, 122) }
```

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

```
.background{ background-color: rgb(237, 0,  
122) }
```

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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