

Converting Colors

XYZ(38.8487, 19.8599, 21.1711)

Have a look what the booklet for
XYZ(38.8487, 19.8599, 21.1711)
contains.

XYZ(38.7975, 19.8268, 21.1841)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7975, 19.8268,
21.1841)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0F7D
RGB	237, 15, 125
RGB Percent	93%, 6%, 49%
CMY	0.0706, 0.9410, 0.5098
CMYK	0.00, 0.94, 0.47, 0.07
HSL	330°, 88%, 49%
HSV	330°, 94%, 93%
XYZ	38.7975, 19.8268, 21.1841
YIQ	93.9180, 97.0020, 81.2740

Conversions

Conversions Part 2

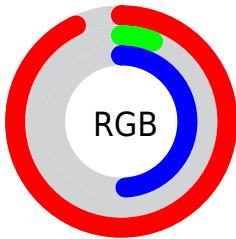
Format	Color
R_{YB}	237, 15, 125
Decimal	15535997
CIE _{Lab}	51.64, 79.35, 0.73
CIE _{LCh}	52, 79.349, 0.529
Yxy	19.8268, 0.4861, 0.2484
Android (android.graphics.Color)	4293726077 (0xFFED0F7D)
YUV	93.9180, 15.3234, 125.4829
Hunter-Lab	44.5273, 77.6078, 2.9616

Details

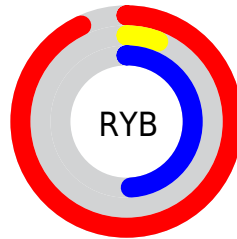
The XYZ color **38.7975, 19.8268, 21.1841** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **34.3152, 62.2035, 30.2907**, and the grayscale version is **10.5742, 11.1249, 12.1150**.

A 20% lighter version of the original color is **53.6377, 33.3580, 45.2067**, and **18.7951, 9.5345, 7.8709** is the 20% darker color. If you saturate the color by 10%, you get **38.1600, 19.2985, 18.6700**, and if you desaturate by 10%, it is **40.1544, 21.2436, 25.6356**.

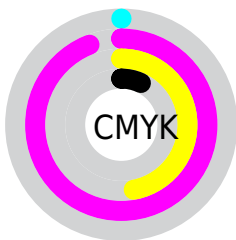
Distribution



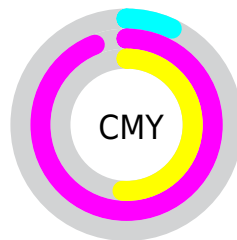
- Red (93%)
- Green (6%)
- Blue (49%)



- Red (93%)
- Yellow (6%)
- Blue (49%)



- Cyan (0%)
- Magenta (94%)
- Yellow (47%)
- Black (7%)





- Cyan (7%)
- Magenta (94%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7975, 19.8268, 21.1841 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 38.7975, 19.8268, 21.1841 by changing the saturation by 10% instead.


 38.7975, 19.8268,
21.1841


 38.7975, 19.8268,
21.1841


332.2508,
250.9759, 271.0684


 26.7822, 12.2692,
13.0661


 72.6249, 43.1266,
46.2785


 17.5455, 6.9273,
7.3428


 95.1678, 59.6376,
64.0919

 10.7219, 3.4167,
3.5957


 121.9506, 79.9019,
85.9743

 5.9460, 1.3529,
1.4063

 153.3387,
104.3038, 112.3441

 2.8526, 0.1816,
0.1466

 189.6974,
133.2278, 143.6198

 1.0763, 0.0000,
0.0000

 231.3920,

 0.0052, 0.0000,

167.0582, 180.2201

0.0000

278.7881,
206.1795, 222.5635

■ 0.0000, 0.0000,
0.0000

■ 38.7975, 19.8268,
21.1841

■ 38.7975, 19.8268,
21.1841

■ 38.1600, 19.2985,
18.6700

■ 40.1544, 21.2436,
25.6356

■ 42.0900, 23.6653,
30.7490

■ 44.6862, 27.2516,
36.5663

■ 48.0108, 32.1330,
43.1239

■ 52.1222, 38.4224,
50.4547

■ 57.0727, 46.2202,
58.5890

■ 62.9101, 55.6177,
67.5550

■ 69.6781, 66.6988,
77.3793

■ 77.4177, 79.5415,
88.0873

Harmonies

Analogous

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



35.6647, 19.8268, 51.3348



38.7975, 19.8268, 21.1841



35.4480, 19.8268, 6.0493

Triad

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



38.7975, 19.8268, 21.1841



12.0597, 19.8268, 1.5310



12.2432, 19.8268, 87.1631

Complementary

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



38.7975, 19.8268, 21.1841



34.3152, 62.2035, 30.2907

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.



8.4556, 19.8268, 52.5993



38.7975, 19.8268, 21.1841



8.3727, 19.8268, 6.3558

Square

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



38.7975, 19.8268, 21.1841



18.7032, 19.8268, 0.6774



7.2664, 19.8268, 21.9970



18.9871, 19.8268, 102.4300

Rectangle

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



38.7975, 19.8268, 21.1841



30.4156, 19.8268, 2.3103



7.2664, 19.8268, 21.9970



10.6584, 19.8268, 76.5978

Sweetspot

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



38.7980, 19.8280, 21.1844



71.0800, 60.4880, 74.9273



24.0647, 10.8944, 80.9550



14.5911, 11.9473, 15.0709



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.



38.7980, 19.8280, 21.1844



45.0271, 22.7748, 21.8724



35.1829, 18.3819, 2.1472



15.3766, 15.1785, 17.2685



20.9002, 10.5628, 10.5416



1.6897, 0.8488, 1.0833

Inverse Universe

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



38.7980, 19.8280, 21.1844



45.0271, 22.7748, 21.8724



45.7678, 66.7845, 90.5990



15.3766, 15.1785, 17.2685



20.9002, 10.5628, 10.5416



1.6897, 0.8488, 1.0833

Previews

White Background



This preview shows how the XYZ color 38.7975, 19.8268, 21.1841 looks on a white background.

Color Contrast Check

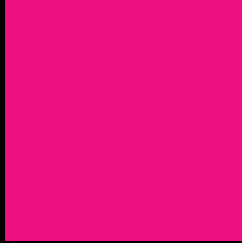
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7975, 19.8268, 21.1841 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 38.7975, 19.8268, 21.1841

Background



This preview shows how black text looks on a background with the XYZ color 38.7975, 19.8268, 21.1841.



This preview shows how white text looks on a background with the XYZ color 38.7975, 19.8268,

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

38.7975, 19.8268, 21.1841

Protanopia

21.0401, 20.2379, 45.4452

Deuteranopia

20.4584, 20.1597, 19.0326



Tritanopia

35.4079, 19.9392, 5.2313

Trichromacy



Original Color

38.7975, 19.8268, 21.1841



Protanomaly

22.6777, 15.5597, 34.6090



Deuteranomaly

24.0263, 16.4805, 19.3675



Tritanomaly

36.0361, 19.4432, 9.2507

Monochromacy



Original Color

38.7975, 19.8268, 21.1841



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

16.2942, 10.9115, 14.6119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7975, 19.8268, 21.1841 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, 15, 125)` looks like.

```
.text, #text, p{  
    color:rgb(237, 15, 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(237, 15, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 15, 125) }
```

Border

The CSS property to change the border of an element to XYZ 38.7975, 19.8268, 21.1841 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, 15, 125) }
```


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

```
.border{ border-color:rgb(237, 15, 125) }
```

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

Here you see how a box with a 4 pixel rgb(237, 15, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 15, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 15, 125);  
box-shadow:4px 4px 4px 4px rgb(237, 15,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7975, 19.8268, 21.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 15, 125) }
```

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

```
.background{ background-color: rgb(237, 15,  
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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