

Converting Colors

XYZ(39.8184, 19.6786, 40.2008)

Have a look what the booklet for
XYZ(39.8184, 19.6786, 40.2008)
contains.

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Color

**XYZ(39.9838, 19.7633,
40.2354)**

Conversions

Conversions Part 1

Format	Color
Hex	E600AB
RGB	230, 0, 171
RGB Percent	90%, 0%, 67%
CMY	0.0980, 0.9998, 0.3294
CMYK	0.00, 1.00, 0.26, 0.10
HSL	315°, 100%, 45%
HSV	315°, 100%, 90%
XYZ	39.9838, 19.7633, 40.2354
YIQ	88.2640, 82.1890, 101.9410

Conversions

Conversions Part 2

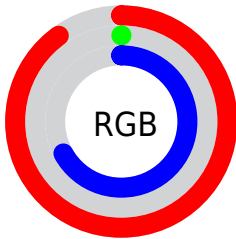
Format	Color
R_{YB}	230, 0, 171
Decimal	15073451
CIE _{Lab}	51.57, 83.40, -27.02
CIE _{LCh}	52, 87.669, 342.047
Yxy	19.7633, 0.3999, 0.1977
Android (android.graphics.Color)	4293263531 (0xFFE600AB)
YUV	88.2640, 40.7888, 124.3025
Hunter-Lab	44.4559, 82.7456, -22.5420

Details

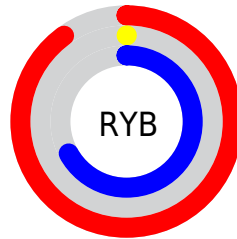
The XYZ color **39.9838, 19.7633, 40.2354** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **29.0882, 56.9103, 13.5959**, and the grayscale version is **9.2405, 9.7217, 10.5869**.

A 20% lighter version of the original color is **59.2880, 35.1718, 76.3371**, and **19.6322, 9.7430, 17.9854** is the 20% darker color. If you saturate the color by 10%, you get **39.9827, 19.7629, 40.2294**, and if you desaturate by 10%, it is **40.8666, 20.6081, 43.3674**.

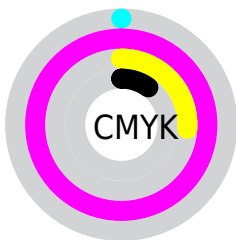
Distribution



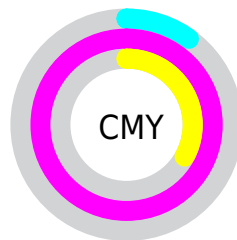
- Red (90%)
- Green (0%)
- Blue (67%)



- Red (90%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9838, 19.7633, 40.2354 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 39.9838, 19.7633, 40.2354 by changing the saturation by 10% instead.

 39.9838, 19.7633,
40.2354


 39.9838, 19.7633,
40.2354

337.1909,
250.6308, 362.6963


 27.7101, 12.2231,
27.4069

 74.4233, 43.0200,
76.7628


 18.2466, 6.8958,
17.6440


 97.3199, 59.5053,
101.2989


 11.2279, 3.3970,
10.5279


 124.4880, 79.7410,
130.5746

 6.2888, 1.3424,
5.6402

 156.2932,
104.1116, 165.0085

 3.0638, 0.1736,
2.5623

 193.1007,
133.0015, 205.0190

 1.1876, 0.0000,
0.8729

 235.2759,

 0.0965, 0.0000,

166.7951, 251.0248

0.0000

283.1842,
205.8767, 303.4444

■ 0.0000, 0.0000,
0.0000

■ 39.9838, 19.7633,
40.2354

■ 39.9838, 19.7633,
40.2354

■ 39.9827, 19.7629,
40.2294

■ 40.8666, 20.6081,
43.3674

■ 42.1388, 22.1915,
46.7546

■ 43.9175, 24.7465,
50.4377

■ 46.2703, 28.4080,
54.4406

■ 49.2541, 33.2894,
58.7840

■ 52.9188, 39.4899,
63.4857

■ 57.3092, 47.0988,
68.5623

■ 62.4662, 56.1971,
74.0288

■ 68.4274, 66.8600,
79.8990

Harmonies

Analogous

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



32.5897, 19.7633, 81.5110



39.9838, 19.7633, 40.2354



40.7370, 19.7633, 12.8884

Triad

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



39.9838, 19.7633, 40.2354



15.4617, 19.7633, 0.2219



8.7936, 19.7633, 73.2095

Complementary

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



39.9838, 19.7633, 40.2354



29.0882, 56.9103, 13.5959

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.



6.5993, 19.7633, 33.3345



39.9838, 19.7633, 40.2354



9.5600, 19.7633, 1.8477

Square

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



39.9838, 19.7633, 40.2354



24.5132, 19.7633, 0.3853



6.8271, 19.7633, 9.7493



14.0259, 19.7633, 108.7158

Rectangle

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



39.9838, 19.7633, 40.2354



37.1431, 19.7633, 4.6642



6.8271, 19.7633, 9.7493



7.7627, 19.7633, 58.9603

Sweetspot

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



39.9844, 19.7644, 40.2357



72.3093, 59.3198, 86.5181



16.0016, 6.5999, 75.2936



14.9506, 11.7795, 17.9244



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.



39.9844, 19.7644, 40.2357



50.4877, 24.9591, 50.6277



33.3857, 17.1249, 5.4872



14.8289, 14.5487, 17.2992



22.6881, 11.2094, 23.0501



1.7137, 0.8432, 1.8989

Inverse Universe

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



39.9844, 19.7644, 40.2357



50.4877, 24.9591, 50.6277



35.7932, 59.5924, 48.9041



14.8289, 14.5487, 17.2992



22.6881, 11.2094, 23.0501



1.7137, 0.8432, 1.8989

Previews

White Background



This preview shows how the XYZ color 39.9838, 19.7633, 40.2354 looks on a white background.

Color Contrast Check

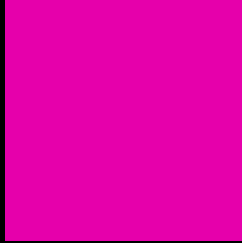
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9838, 19.7633, 40.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

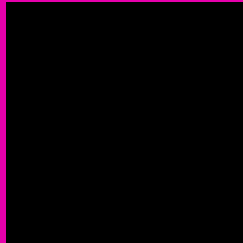
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.9838, 19.7633, 40.2354

Background



This preview shows how black text looks on a background with the XYZ color 39.9838, 19.7633, 40.2354.



This preview shows how white text looks on a background with the XYZ color 39.9838, 19.7633,

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

39.9838, 19.7633, 40.2354

Protanopia

24.3304, 20.8239, 87.5311

Deuteranopia

20.7759, 20.3087, 36.0827



Tritanopia

33.2687, 19.9988, 8.0679

Trichromacy



Original Color

39.9838, 19.7633, 40.2354



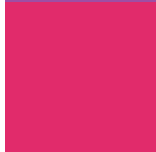
Protanomaly

22.2485, 13.9623, 67.1680



Deuteranomaly

23.7233, 15.5000, 36.8634



Tritanomaly

34.5691, 18.7968, 15.7161

Monochromacy



Original Color

39.9838, 19.7633, 40.2354



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.4994, 9.7118, 18.1972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9838, 19.7633, 40.2354 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(230, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 171)  
}
```

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(230, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 39.9838, 19.7633, 40.2354 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(230, 0, 171) }
```


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

```
.border{ border-color:rgb(230, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9838, 19.7633, 40.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 171) }
```

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

```
.background{ background-color: rgb(230, 0,  
171) }
```

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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