

Converting Colors

XYZ(39.6798, 19.7181, 35.1804)

Have a look what the booklet for
XYZ(39.6798, 19.7181, 35.1804)
contains.

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Color

**XYZ(39.6239, 19.6939,
34.9706)**

Conversions

Conversions Part 1

Format	Color
Hex	E800A0
RGB	232, 0, 160
RGB Percent	91%, 0%, 63%
CMY	0.0902, 0.9998, 0.3725
CMYK	0.00, 1.00, 0.31, 0.09
HSL	319°, 100%, 45%
HSV	319°, 100%, 91%
XYZ	39.6239, 19.6939, 34.9706
YIQ	87.6080, 86.9120, 98.9440

Conversions

Conversions Part 2

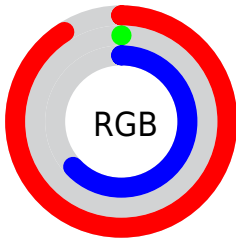
Format	Color
R_{YB}	232, 0, 160
Decimal	15204512
CIE _{Lab}	51.49, 82.61, -20.60
CIE _{LCh}	51, 85.145, 345.996
Yxy	19.6939, 0.4202, 0.2089
Android (android.graphics.Color)	4293394592 (0xFFE800A0)
YUV	87.6080, 35.6893, 126.6318
Hunter-Lab	44.3778, 81.7173, -15.6572

Details

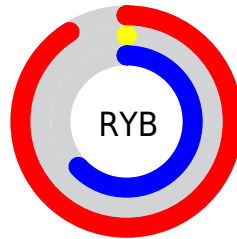
The XYZ color **39.6239, 19.6939, 34.9706** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **30.0286, 58.1822, 15.7870**, and the grayscale version is **9.1084, 9.5827, 10.4356**.

A 20% lighter version of the original color is **57.6886, 34.5320, 67.9148**, and **19.5014, 9.7406, 15.0397** is the 20% darker color. If you saturate the color by 10%, you get **39.6226, 19.6934, 34.9637**, and if you desaturate by 10%, it is **40.5839, 20.5761, 38.4897**.

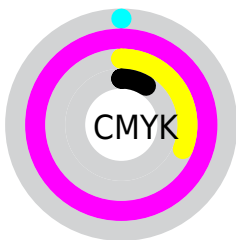
Distribution



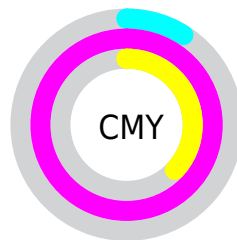
- Red (91%)
- Green (0%)
- Blue (63%)



- Red (91%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6239, 19.6939, 34.9706 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 39.6239, 19.6939, 34.9706 by changing the saturation by 10% instead.


 39.6239, 19.6939,
34.9706


 39.6239, 19.6939,
34.9706


335.6975,
250.2532, 339.3389


 27.4283, 12.1727,
23.3569


 73.8784, 42.9034,
68.5913


 18.0334, 6.8614,
14.6495


 96.6681, 59.3605,
91.4353


 11.0738, 3.3756,
8.4299


 123.7199, 79.5650,
118.8598

 6.1842, 1.3308,
4.2795

 155.3991,
103.9014, 151.2834

 2.9991, 0.1649,
1.7799

 192.0711,
132.7540, 189.1245

 1.1533, 0.0000,
0.4147

 234.1013,

 0.0690, 0.0000,

166.5073, 232.8018

0.0000

281.8550,
205.5455, 282.7337

■ 0.0000, 0.0000,
0.0000

■ 39.6239, 19.6939,
34.9706

■ 39.6239, 19.6939,
34.9706

■ 39.6226, 19.6934,
34.9637

■ 40.5839, 20.5761,
38.4897

■ 41.9528, 22.2169,
42.3280

■ 43.8498, 24.8535,
46.5283

■ 46.3442, 28.6239,
51.1164

■ 49.4946, 33.6439,
56.1146

■ 53.3521, 40.0152,
61.5426

■ 57.9626, 47.8289,
67.4185

■ 63.3682, 57.1679,
73.7588

■ 69.6076, 68.1091,
80.5789

Harmonies

Analogous

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



33.2045, 19.6939, 73.5851



39.6239, 19.6939, 34.9706



39.3806, 19.6939, 10.9116

Triad

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



39.6239, 19.6939, 34.9706



14.5447, 19.6939, 0.4843



9.4644, 19.6939, 76.2486

Complementary

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



39.6239, 19.6939, 34.9706



30.0286, 58.1822, 15.7870

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.



6.9471, 19.6939, 37.2061



39.6239, 19.6939, 34.9706



9.2104, 19.6939, 2.5485

Square

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



39.6239, 19.6939, 34.9706



22.9843, 19.6939, 0.4307



6.8711, 19.6939, 11.9502



15.0161, 19.6939, 107.2174

Rectangle

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



39.6239, 19.6939, 34.9706



35.4139, 19.6939, 3.9700



6.8711, 19.6939, 11.9502



8.3210, 19.6939, 62.7120

Sweetspot

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



39.6245, 19.6950, 34.9709



71.7197, 59.0840, 83.4136



17.0656, 7.1158, 76.8181



14.8091, 11.7229, 17.1795



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.



39.6245, 19.6950, 34.9709



49.0612, 24.3885, 43.1158



33.7812, 17.3577, 4.2003



14.7947, 14.5351, 17.1191



22.0559, 10.9566, 19.7214



1.6711, 0.8262, 1.6747

Inverse Universe

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



39.6245, 19.6950, 34.9709



49.0612, 24.3885, 43.1158



37.6788, 61.2423, 56.0724



14.7947, 14.5351, 17.1191



22.0559, 10.9566, 19.7214



1.6711, 0.8262, 1.6747

Previews

White Background



This preview shows how the XYZ color 39.6239, 19.6939, 34.9706 looks on a white background.

Color Contrast Check

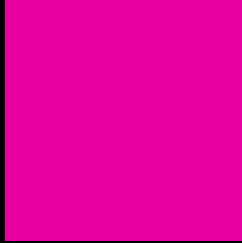
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6239, 19.6939, 34.9706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

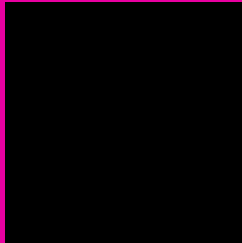
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6239, 19.6939, 34.9706

Background



This preview shows how black text looks on a background with the XYZ color 39.6239, 19.6939, 34.9706.



This preview shows how white text looks on a background with the XYZ color 39.6239, 19.6939,

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

39.6239, 19.6939, 34.9706

Protanopia

23.3668, 20.5783, 76.1392

Deuteranopia

20.6965, 20.3741, 31.2755



Tritanopia

34.1249, 20.1171, 7.2387

Trichromacy



Original Color

39.6239, 19.6939, 34.9706



Protanomaly

22.4866, 14.2867, 58.0723



Deuteranomaly

23.5784, 15.5352, 31.8929



Tritanomaly

35.0540, 18.9317, 13.8632

Monochromacy



Original Color

39.6239, 19.6939, 34.9706



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.2667, 9.6187, 16.9715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6239, 19.6939, 34.9706 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(232, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 160)  
}
```

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(232, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 160) }
```

Border

The CSS property to change the border of an element to XYZ 39.6239, 19.6939, 34.9706 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(232, 0, 160) }
```


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

```
.border{ border-color:rgb(232, 0, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6239, 19.6939, 34.9706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 160) }
```

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

```
.background{ background-color: rgb(232, 0,  
160) }
```

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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