

Converting Colors

XYZ(39.8379, 19.5006, 48.6972)

Have a look what the booklet for
XYZ(39.8379, 19.5006, 48.6972)
contains.

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Color

**XYZ(39.7101, 19.4351,
48.6721)**

Conversions

Conversions Part 1

Format	Color
Hex	E000BB
RGB	224, 0, 187
RGB Percent	88%, 0%, 73%
CMY	0.1216, 0.9999, 0.2667
CMYK	0.00, 1.00, 0.17, 0.12
HSL	310°, 100%, 44%
HSV	310°, 100%, 88%
XYZ	39.7101, 19.4351, 48.6721
YIQ	88.2940, 73.4770, 105.6450

Conversions

Conversions Part 2

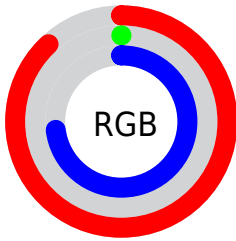
Format	Color
R_{YB}	224, 0, 187
Decimal	14680251
CIE _{Lab}	51.19, 84.16, -37.07
CIE _{LCh}	51, 91.968, 336.227
Yxy	19.4351, 0.3683, 0.1803
Android (android.graphics.Color)	4292870331 (0xFFE000BB)
YUV	88.2940, 48.6621, 119.0142
Hunter-Lab	44.0853, 83.6359, -34.5991

Details

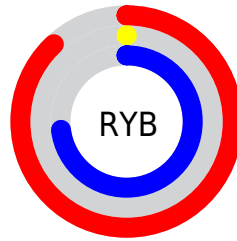
The XYZ color **39.7101, 19.4351, 48.6721** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **26.9909, 53.4458, 10.6469**, and the grayscale version is **9.2304, 9.7111, 10.5754**.

A 20% lighter version of the original color is **61.7520, 36.1574, 89.3123**, and **19.5435, 9.5860, 23.0105** is the 20% darker color. If you saturate the color by 10%, you get **39.7097, 19.4350, 48.6688**, and if you desaturate by 10%, it is **40.4071, 20.1865, 50.8846**.

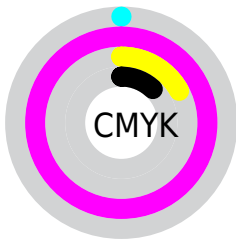
Distribution



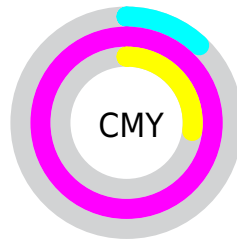
- Red (88%)
- Green (0%)
- Blue (73%)



- Red (88%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7101, 19.4351, 48.6721 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 39.7101, 19.4351, 48.6721 by changing the saturation by 10% instead.


 39.7101, 19.4351,
48.6721


 39.7101, 19.4351,
48.6721


336.0556,
248.8403, 398.0353

 27.4958, 11.9851,
33.9957


 74.0090, 42.4680,
89.5802


 18.0844, 6.7335,
22.6129


 96.8243, 58.8197,
116.6489


 11.1107, 3.2960,
14.1054


 123.9040, 78.9075,
148.6855

 6.2092, 1.2882,
8.0544

 155.6134,
103.1156, 186.1085

 3.0145, 0.1320,
4.0415

 192.3180,
131.8286, 229.3365

 1.1615, 0.0000,
1.6481

 234.3829,

 0.0756, 0.0000,

165.4308, 278.7879

0.3248

282.1737,
204.3066, 334.8813

■ 0.0000, 0.0000,
0.0000

■ 39.7101, 19.4351,
48.6721

■ 39.7101, 19.4351,
48.6721

■ 39.7097, 19.4350,
48.6688

■ 40.4071, 20.1865,
50.8846

■ 41.4557, 21.6249,
53.2648

■ 42.9669, 23.9720,
55.8504

■ 45.0037, 27.3537,
58.6627

■ 47.6194, 31.8763,
61.7198

■ 50.8604, 37.6325,
65.0375

■ 54.7685, 44.7058,
68.6301

■ 59.3817, 53.1724,
72.5106

■ 64.7353, 63.1024,
76.6911

Harmonies

Analogous

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



30.9462, 19.4351, 93.4087



39.7101, 19.4351, 48.6721



42.0694, 19.4351, 16.1519

Triad

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



39.7101, 19.4351, 48.6721



16.6286, 19.4351, 0.0000



7.6028, 19.4351, 67.1054

Complementary

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



39.7101, 19.4351, 48.6721



26.9909, 53.4458, 10.6469

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.



5.9200, 19.4351, 27.1126



39.7101, 19.4351, 48.6721



9.9022, 19.4351, 0.9841

Square

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



39.7101, 19.4351, 48.6721



26.5129, 19.4351, 0.2865



6.5947, 19.4351, 6.6535



12.2481, 19.4351, 108.9051

Rectangle

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



39.7101, 19.4351, 48.6721



39.1818, 19.4351, 5.7892



6.5947, 19.4351, 6.6535



6.7564, 19.4351, 52.1618

Sweetspot

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



39.7108, 19.4361, 48.6725



73.3415, 59.7327, 91.9535



14.1027, 5.7165, 70.8817



15.1994, 11.8790, 19.2347



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.



39.7108, 19.4361, 48.6725



53.2340, 26.0576, 65.0896



32.1315, 16.4044, 8.7606



14.1927, 13.8947, 16.7848



23.1504, 11.3272, 28.5213



1.6309, 0.7956, 2.1151

Inverse Universe

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



39.7108, 19.4361, 48.6725



53.2340, 26.0576, 65.0896



31.8146, 55.3753, 36.0485



14.1927, 13.8947, 16.7848



23.1504, 11.3272, 28.5213



1.6309, 0.7956, 2.1151

Previews

White Background



This preview shows how the XYZ color 39.7101, 19.4351, 48.6721 looks on a white background.

Color Contrast Check

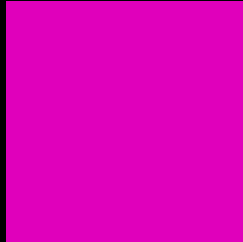
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7101, 19.4351, 48.6721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

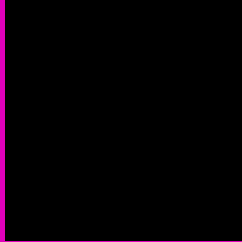
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.7101, 19.4351, 48.6721

Background



This preview shows how black text looks on a background with the XYZ color 39.7101, 19.4351, 48.6721.



This preview shows how white text looks on a background with the XYZ color 39.7101, 19.4351,

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

39.7101, 19.4351, 48.6721

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.5231, 20.0175, 43.3395



Tritanopia

31.8483, 19.8947, 9.3692

Trichromacy



Original Color

39.7101, 19.4351, 48.6721



Protanomaly

20.1206, 12.5754, 75.4956



Deuteranomaly

23.0738, 14.9994, 44.3269



Tritanomaly

33.2000, 18.2465, 18.9116

Monochromacy



Original Color

39.7101, 19.4351, 48.6721



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3688, 9.6019, 20.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7101, 19.4351, 48.6721 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(224, 0, 187)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 187)  
}
```

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(224, 0, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 187) }
```

Border

The CSS property to change the border of an element to XYZ 39.7101, 19.4351, 48.6721 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(224, 0, 187) }
```


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

```
.border{ border-color:rgb(224, 0, 187) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7101, 19.4351, 48.6721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 187) }
```

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

```
.background{ background-color: rgb(224, 0,  
187) }
```

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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