

Converting Colors

XYZ(39.6223, 19.3235, 51.6660)

Have a look what the booklet for
XYZ(39.6223, 19.3235, 51.6660)
contains.

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Color

**XYZ(39.6386, 19.3354,
51.5121)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00C0
RGB	222, 0, 192
RGB Percent	87%, 0%, 75%
CMY	0.1294, 0.9998, 0.2471
CMYK	0.00, 1.00, 0.14, 0.13
HSL	308°, 100%, 44%
HSV	308°, 100%, 87%
XYZ	39.6386, 19.3354, 51.5121
YIQ	88.2660, 70.6800, 106.7760

Conversions

Conversions Part 2

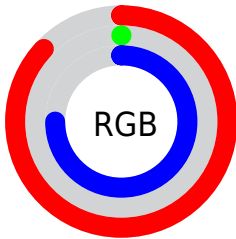
Format	Color
R_{YB}	222, 0, 192
Decimal	14549184
CIE _{Lab}	51.08, 84.44, -40.19
CIE _{LCh}	51, 93.513, 334.547
Yxy	19.3354, 0.3588, 0.1750
Android (android.graphics.Color)	4292739264 (0xFFDE00C0)
YUV	88.2660, 51.1409, 117.2847
Hunter-Lab	43.9720, 83.9578, -38.6763

Details

The XYZ color **39.6386, 19.3354, 51.5121** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.3568, 52.3371, 9.9440**, and the grayscale version is **9.2201, 9.7002, 10.5635**.

A 20% lighter version of the original color is **62.5218, 36.4653, 93.3658**, and **19.4877, 9.5164, 24.8545** is the 20% darker color. If you saturate the color by 10%, you get **39.6382, 19.3352, 51.5090**, and if you desaturate by 10%, it is **40.2664, 20.0530, 53.3787**.

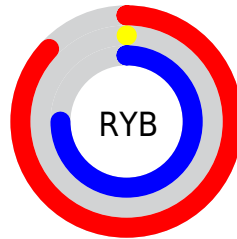
Distribution



Red (87%)

Green (0%)

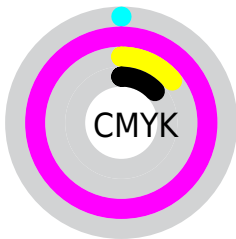
Blue (75%)



Red (87%)

Yellow (0%)

Blue (75%)

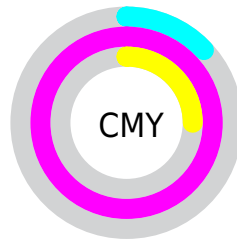


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6386, 19.3354, 51.5121 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 39.6386, 19.3354, 51.5121 by changing the saturation by 10% instead.

 39.6386, 19.3354,
51.5121


 39.6386, 19.3354,
51.5121

335.7586,
248.2942, 409.4534


 27.4398, 11.9129,
36.2368


 73.9007, 42.3001,
93.8305


 18.0421, 6.6844,
24.3260


 96.6948, 58.6110,
121.7107


 11.0801, 3.2655,
15.3612


 123.7513, 78.6536,
154.6296

 6.1884, 1.2719,
8.9238

 155.4357,
102.8121, 193.0057

 3.0017, 0.1193,
4.5954

 192.1132,
131.4711, 237.2576

 1.1547, 0.0000,
1.9573

 234.1493,

 0.0701, 0.0000,

165.0148, 287.8038

0.5289

281.9093,
203.8277, 345.0629

■ 0.0000, 0.0000,
0.0000

■ 39.6386, 19.3354,
51.5121

■ 39.6386, 19.3354,
51.5121

■ 39.6382, 19.3352,
51.5090

■ 40.2664, 20.0530,
53.3787

■ 41.2348, 21.4414,
55.3923

■ 42.6532, 23.7187,
57.5897

■ 44.5830, 27.0079,
59.9917

■ 47.0763, 31.4128,
62.6157

■ 50.1784, 37.0244,
65.4770

■ 53.9302, 43.9240,
68.5895

■ 58.3689, 52.1863,
71.9658

■ 63.5290, 61.8798,
75.6174

Harmonies

Analogous

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



30.4578, 19.3354, 97.3507



39.6386, 19.3354, 51.5121



42.5006, 19.3354, 17.2587

Triad

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



39.6386, 19.3354, 51.5121



17.0001, 19.3354, 0.0000



7.2555, 19.3354, 65.3217

Complementary

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



39.6386, 19.3354, 51.5121



26.3568, 52.3371, 9.9440

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.



5.7172, 19.3354, 25.3662



39.6386, 19.3354, 51.5121



10.0070, 19.3354, 0.7719

Square

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



39.6386, 19.3354, 51.5121



27.1561, 19.3354, 0.2537



6.5211, 19.3354, 5.8484



11.7299, 19.3354, 109.0247

Rectangle

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



39.6386, 19.3354, 51.5121



39.8380, 19.3354, 6.1658



6.5211, 19.3354, 5.8484



6.4615, 19.3354, 50.1934

Sweetspot

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



39.6393, 19.3364, 51.5125



73.6896, 59.8720, 93.7870



13.7102, 5.5454, 69.4554



15.2837, 11.9127, 19.6784



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.



39.6393, 19.3364, 51.5125



54.2291, 26.4556, 70.3297



31.6261, 16.1311, 9.3154



14.2112, 13.9021, 16.8821



23.5745, 11.4968, 30.7547



1.6564, 0.8058, 2.2495

Inverse Universe

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



39.6393, 19.3364, 51.5125



54.2291, 26.4556, 70.3297



30.9011, 54.1548, 33.8739



14.2112, 13.9021, 16.8821



23.5745, 11.4968, 30.7547



1.6564, 0.8058, 2.2495

Previews

White Background



This preview shows how the XYZ color 39.6386, 19.3354, 51.5121 looks on a white background.

Color Contrast Check

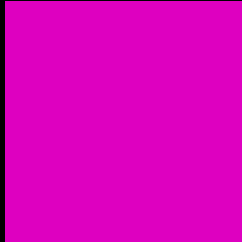
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6386, 19.3354, 51.5121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

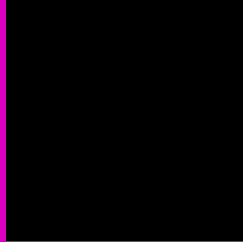
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6386, 19.3354, 51.5121

Background



This preview shows how black text looks on a background with the XYZ color 39.6386, 19.3354, 51.5121.



This preview shows how white text looks on a background with the XYZ color 39.6386, 19.3354,

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

39.6386, 19.3354, 51.5121

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.4533, 19.9237, 45.9477



Tritanopia

31.1838, 19.7451, 9.7570

Trichromacy



Original Color

39.6386, 19.3354, 51.5121



Protanomaly

20.4016, 12.6877, 76.9750



Deuteranomaly

22.8777, 14.8388, 47.0058



Tritanomaly

32.8270, 18.0933, 19.8513

Monochromacy



Original Color

39.6386, 19.3354, 51.5121



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.4966, 9.6531, 20.7851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6386, 19.3354, 51.5121 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(222, 0, 192)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 192)  
}
```

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(222, 0, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 192) }
```

Border

The CSS property to change the border of an element to XYZ 39.6386, 19.3354, 51.5121 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(222, 0, 192) }
```


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

```
.border{ border-color:rgb(222, 0, 192) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 192);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6386, 19.3354, 51.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 192) }
```

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

```
.background{ background-color: rgb(222, 0,  
192) }
```

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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