

Converting Colors

XYZ(38.6379, 18.7623, 24.7005)

Have a look what the booklet for
XYZ(38.6379, 18.7623, 24.7005)
contains.

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Color

**XYZ(39.0360, 19.6104,
25.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	EC0088
RGB	236, 0, 136
RGB Percent	93%, 0%, 53%
CMY	0.0745, 0.9998, 0.4667
CMYK	0.00, 1.00, 0.42, 0.07
HSL	325°, 100%, 46%
HSV	325°, 100%, 93%
XYZ	39.0360, 19.6104, 25.0203
YIQ	86.0680, 97.0000, 92.3280

Conversions

Conversions Part 2

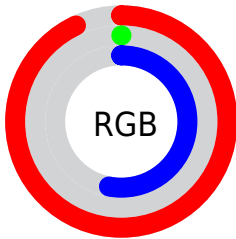
Format	Color
R_{YB}	236, 0, 136
Decimal	15466632
CIE _{Lab}	51.39, 81.17, -6.31
CIE _{LCh}	51, 81.414, 355.558
Yxy	19.6104, 0.4666, 0.2344
Android (android.graphics.Color)	4293656712 (0xFFEC0088)
YUV	86.0680, 24.6165, 131.4904
Hunter-Lab	44.2836, 79.8513, -2.5004

Details

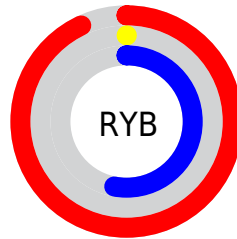
The XYZ color **39.0360, 19.6104, 25.0203** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.2988, 60.9123, 22.1244**, and the grayscale version is **8.8008, 9.2591, 10.0832**.

A 20% lighter version of the original color is **54.6082, 33.2999, 51.6935**, and **19.1353, 9.6706, 9.6622** is the 20% darker color. If you saturate the color by 10%, you get **39.0345, 19.6098, 25.0123**, and if you desaturate by 10%, it is **40.1000, 20.5472, 29.0476**.

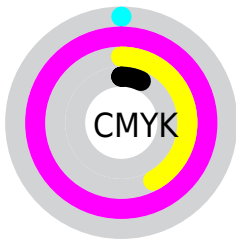
Distribution



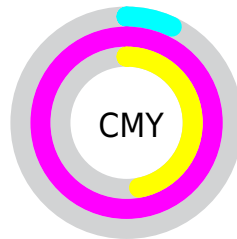
- Red (93%)
- Green (0%)
- Blue (53%)



- Red (93%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0360, 19.6104, 25.0203 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 39.0360, 19.6104, 25.0203 by changing the saturation by 10% instead.


 39.0360, 19.6104,
25.0203


 39.0360, 19.6104,
25.0203

333.2481,
249.7981, 291.3899


 26.9686, 12.1122,
15.8730


 72.9870, 42.7630,
52.6547

 17.6861, 6.8201,
9.2810


 95.6014, 59.1862,
71.9789


 10.8232, 3.3499,
4.8256


 122.4620, 79.3531,
95.5324

 6.0145, 1.3170,
2.0884

 153.9344,
103.6482, 123.7339

 2.8946, 0.1543,
0.6088

 190.3838,
132.4559, 157.0019

 1.0983, 0.0000,
0.0000

 232.1757,

 0.0237, 0.0000,

166.1605, 195.7548

0.0000

279.6753,
205.1464, 240.4113

■ 0.0000, 0.0000,
0.0000

■ 39.0360, 19.6104,
25.0203

■ 39.0360, 19.6104,
25.0203

■ 39.0345, 19.6098,
25.0123

■ 40.1000, 20.5472,
29.0476

■ 41.6198, 22.2865,
33.5626

■ 43.7194, 25.0738,
38.6151

■ 46.4723, 29.0537,
44.2374

■ 49.9406, 34.3474,
50.4580

■ 54.1785, 41.0613,
57.3024

■ 59.2349, 49.2907,
64.7942

■ 65.1545, 59.1227,
72.9553

■ 71.9786, 70.6377,
81.8062

Harmonies

Analogous

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



34.7808, 19.6104, 58.1237



39.0360, 19.6104, 25.0203



36.6530, 19.6104, 7.2524

Triad

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



39.0360, 19.6104, 25.0203



12.6625, 19.6104, 1.0633



11.1065, 19.6104, 83.8745

Complementary

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



39.0360, 19.6104, 25.0203



32.2988, 60.9123, 22.1244

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.



7.7744, 19.6104, 47.1589



39.0360, 19.6104, 25.0203



8.4718, 19.6104, 4.6987

Square

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



39.0360, 19.6104, 25.0203



19.8793, 19.6104, 0.5202



6.9738, 19.6104, 18.0617



17.4516, 19.6104, 104.6366

Rectangle

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



39.0360, 19.6104, 25.0203



31.9062, 19.6104, 2.6652



6.9738, 19.6104, 18.0617



9.6786, 19.6104, 72.0994

Sweetspot

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



39.0366, 19.6115, 25.0206



70.5225, 58.6051, 77.1090



20.2171, 8.6741, 79.9655



14.5235, 11.6087, 15.6756



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.



39.0366, 19.6115, 25.0206



46.5007, 23.3643, 29.6323



34.7163, 17.8835, 2.2706



15.4293, 15.1996, 17.5459



21.5826, 10.8357, 14.1354



1.7427, 0.8700, 1.3624

Inverse Universe

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



39.0366, 19.6115, 25.0206



46.5007, 23.3643, 29.6323



42.4344, 64.9665, 75.4980



15.4293, 15.1996, 17.5459



21.5826, 10.8357, 14.1354



1.7427, 0.8700, 1.3624

Previews

White Background



This preview shows how the XYZ color 39.0360, 19.6104, 25.0203 looks on a white background.

Color Contrast Check

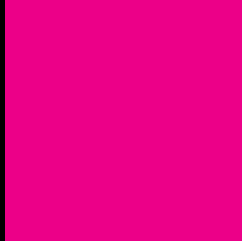
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.0360, 19.6104, 25.0203 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 39.0360, 19.6104, 25.0203

Background



This preview shows how black text looks on a background with the XYZ color 39.0360, 19.6104, 25.0203.



This preview shows how white text looks on a background with the XYZ color 39.0360, 19.6104,

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

39.0360, 19.6104, 25.0203

Protanopia

21.7396, 20.4006, 54.4217

Deuteranopia

20.4740, 20.0902, 22.5374



Tritanopia

35.2875, 20.0700, 5.6285

Trichromacy



Original Color

39.0360, 19.6104, 25.0203



Protanomaly

22.5771, 14.8007, 41.7113



Deuteranomaly

23.6270, 15.5512, 22.8755



Tritanomaly

35.7765, 19.1078, 10.1900

Monochromacy



Original Color

39.0360, 19.6104, 25.0203



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.8494, 9.3946, 14.1274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0360, 19.6104, 25.0203 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(236, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 136)  
}
```

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(236, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 136) }
```

Border

The CSS property to change the border of an element to XYZ 39.0360, 19.6104, 25.0203 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(236, 0, 136) }
```


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

```
.border{ border-color:rgb(236, 0, 136) }
```

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

Here you see how a box with a 4 pixel rgb(236, 0, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(236, 0,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0360, 19.6104, 25.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 136) }
```

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

```
.background{ background-color: rgb(236, 0,  
136) }
```

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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