

Converting Colors

XYZ(47.0941, 23.8199, 39.1651)

Have a look what the booklet for
XYZ(47.0941, 23.8199, 39.1651)
contains.

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Color

**XYZ(47.1017, 23.8367,
39.1642)**

Conversions

Conversions Part 1

Format	Color
Hex	FB14A8
RGB	251, 20, 168
RGB Percent	98%, 8%, 66%
CMY	0.0157, 0.9214, 0.3412
CMYK	0.00, 0.92, 0.33, 0.02
HSL	322°, 97%, 53%
HSV	322°, 92%, 98%
XYZ	47.1017, 23.8367, 39.1642
YIQ	105.9410, 90.1680, 95.0000

Conversions

Conversions Part 2

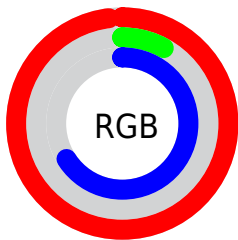
Format	Color
R_{YB}	251, 20, 168
Decimal	16454824
CIE _{Lab}	55.92, 85.66, -18.23
CIE _{LCh}	56, 87.574, 347.986
Yxy	23.8367, 0.4278, 0.2165
Android (android.graphics.Color)	4294644904 (0xFFFB14A8)
YUV	105.9410, 30.5951, 127.2167
Hunter-Lab	48.8228, 86.7674, -13.3846

Details

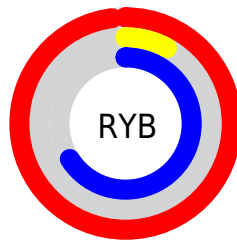
The XYZ color **47.1017, 23.8367, 39.1642** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **37.2365, 70.1235, 24.4142**, and the grayscale version is **13.5906, 14.2984, 15.5709**.

A 20% lighter version of the original color is **59.6109, 36.6909, 73.7522**, and **24.1387, 12.0798, 17.5824** is the 20% darker color. If you saturate the color by 10%, you get **46.1991, 23.0754, 35.6448**, and if you desaturate by 10%, it is **48.6652, 25.5716, 43.9765**.

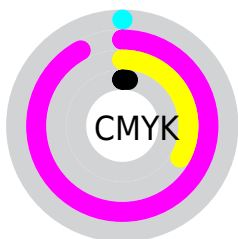
Distribution



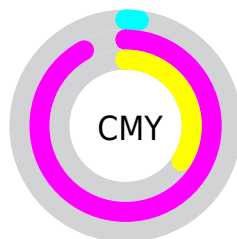
- Red (98%)
- Green (8%)
- Blue (66%)



- Red (98%)
- Yellow (8%)
- Blue (66%)



- Cyan (0%)
- Magenta (92%)
- Yellow (33%)
- Black (2%)





- Cyan (2%)
- Magenta (92%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1017, 23.8367, 39.1642 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 47.1017, 23.8367, 39.1642 by changing the saturation by 10% instead.


 47.1017, 23.8367,
39.1642


 47.1017, 23.8367,
39.1642


365.8625,
271.9938, 358.0349


 33.3243, 15.2125,
26.5787


 85.0832, 49.7636,
75.1122

 22.5355, 8.9687,
17.0274


 110.0181, 67.8351,
99.3117


 14.3697, 4.7208,
10.0919


 139.4029, 89.8245,
128.2197

 8.4616, 2.0844,
5.3535

 173.6029,
116.1162, 162.2547

 4.4460, 0.6558,
2.3938

 212.9835,
147.0946, 201.8351

 1.9574, 0.0000,
0.7831

257.9101,

 0.6099, 0.0000,

183.1441, 247.3796

0.0000

308.7479,
224.6490, 299.3067

■ 0.0000, 0.0000,
0.0000

■ 47.1017, 23.8367,
39.1642

■ 47.1017, 23.8367,
39.1642

■ 46.1991, 23.0754,
35.6448

■ 48.6652, 25.5716,
43.9765

■ 50.8559, 28.4661,
49.2910

■ 53.7635, 32.6974,
55.1432

■ 57.4616, 38.4110,
61.5629

■ 62.0143, 45.7337,
68.5767

67.4791, 54.7785,
76.2087

73.9080, 65.6480,
84.4814

81.3492, 78.4369,
93.4155

89.8474, 93.2332,
103.0306

Harmonies

Analogous

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



40.1245, 23.8367, 82.8935



47.1017, 23.8367, 39.1642



46.2633, 23.8367, 12.4084

Triad

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



47.1017, 23.8367, 39.1642



17.2295, 23.8367, 0.9177



12.0820, 23.8367, 91.9934

Complementary

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



47.1017, 23.8367, 39.1642



37.2365, 70.1235, 24.4142

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.



8.8616, 23.8367, 46.9051



47.1017, 23.8367, 39.1642



11.1755, 23.8367, 3.8059

Square

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



47.1017, 23.8367, 39.1642



26.8920, 23.8367, 0.7526



8.5876, 23.8367, 16.1088



18.8901, 23.8367, 125.4390

Rectangle

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



47.1017, 23.8367, 39.1642



41.4076, 23.8367, 4.6899



8.5876, 23.8367, 16.1088



10.6427, 23.8367, 76.6376

Sweetspot

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



47.1024, 23.8380, 39.1646



72.4881, 61.0513, 82.3425



23.0161, 10.2261, 92.0276



14.9293, 12.0826, 16.8517



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.



47.1024, 23.8380, 39.1646



47.8834, 23.9174, 36.9136



40.7165, 21.2837, 5.5367



17.7128, 17.4125, 20.3433



24.3562, 12.1582, 19.1163



2.3065, 1.1463, 2.0372

Inverse Universe

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



47.1024, 23.8380, 39.1646



47.8834, 23.9174, 36.9136



47.2272, 74.1198, 77.0245



17.7128, 17.4125, 20.3433



24.3562, 12.1582, 19.1163



2.3065, 1.1463, 2.0372

Previews

White Background



This preview shows how the XYZ color 47.1017, 23.8367, 39.1642 looks on a white background.

Color Contrast Check

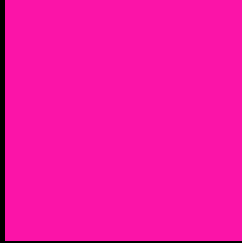
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.1017, 23.8367, 39.1642 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 47.1017, 23.8367, 39.1642

Background



This preview shows how black text looks on a background with the XYZ color 47.1017, 23.8367, 39.1642.



This preview shows how white text looks on a background with the XYZ color 47.1017, 23.8367,

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

47.1017, 23.8367, 39.1642

Protanopia

27.2952, 24.3369, 84.1478

Deuteranopia

24.5186, 23.9853, 35.2356



Tritanopia

40.8606, 24.0017, 8.4404

Trichromacy



Original Color

47.1017, 23.8367, 39.1642



Protanomaly

27.4284, 18.3060, 65.0386



Deuteranomaly

28.5342, 19.5204, 35.9821



Tritanomaly

42.1431, 23.1824, 15.8891

Monochromacy



Original Color

47.1017, 23.8367, 39.1642



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.7766, 13.9881, 22.3738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1017, 23.8367, 39.1642 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(251, 20, 168)` looks like.

```
.text, #text, p{  
    color:rgb(251, 20, 168)  
}
```

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(251, 20, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 20, 168) }
```

Border

The CSS property to change the border of an element to XYZ 47.1017, 23.8367, 39.1642 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(251, 20, 168) }
```


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

```
.border{ border-color:rgb(251, 20, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 20, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 20, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 20, 168);  
box-shadow:4px 4px 4px 4px rgb(251, 20,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1017, 23.8367, 39.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 20, 168) }
```

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

```
.background{ background-color: rgb(251, 20,  
168) }
```

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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