

Converting Colors

XYZ(47.4428, 24.0213, 33.7297)

Have a look what the booklet for
XYZ(47.4428, 24.0213, 33.7297)
contains.

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Color

**XYZ(47.4116, 24.0019,
33.5865)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF0F9C |
| RGB | 255, 15, 156 |
| RGB Percent | 100%, 6%, 61% |
| CMY | 0.0000, 0.9410, 0.3882 |
| CMYK | 0.00, 0.94, 0.39, 0.00 |
| HSL | 325°, 100%, 53% |
| HSV | 325°, 94%, 100% |
| XYZ | 47.4116, 24.0019, 33.5865 |
| YIQ | 102.8340, 97.7790, 94.7310 |

Conversions

Conversions Part 2

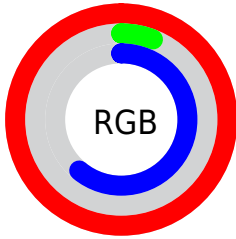
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 15, 156 |
| Decimal | 16715676 |
| CIE _{Lab} | 56.09, 85.81, -10.84 |
| CIE _{LCh} | 56, 86.489, 352.799 |
| Yxy | 24.0019, 0.4515, 0.2286 |
| Android (android.graphics.Color) | 4294905756 (0xFFFF0F9C) |
| YUV | 102.8340, 26.2108, 133.4496 |
| Hunter-Lab | 48.9917, 87.0073, -6.3523 |

Details

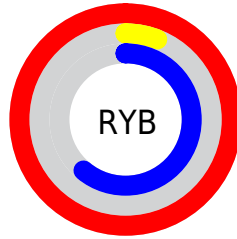
The XYZ color **47.4116, 24.0019, 33.5865** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.9976, 72.8379, 27.9368**, and the grayscale version is **12.7699, 13.4349, 14.6306**.

A 20% lighter version of the original color is **57.8232, 35.8138, 64.8379**, and **24.2880, 12.2264, 14.4444** is the 20% darker color. If you saturate the color by 10%, you get **46.7284, 23.4553, 30.8313**, and if you desaturate by 10%, it is **48.9482, 25.5870, 38.6865**.

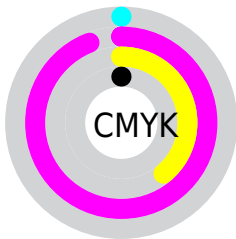
Distribution



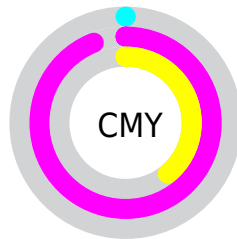
- Red (100%)
- Green (6%)
- Blue (61%)



- Red (100%)
- Yellow (6%)
- Blue (61%)



- Cyan (0%)
- Magenta (94%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4116, 24.0019, 33.5865 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 47.4116, 24.0019, 33.5865 by changing the saturation by 10% instead.


 47.4116, 24.0019,
33.5865


 47.4116, 24.0019,
33.5865


367.0766,
272.8301, 332.9970


 33.5705, 15.3350,
22.3013

 85.5427, 50.0333,
66.4167


 22.7251, 9.0549,
13.8781


 110.5634, 68.1666,
88.7987


 14.5103, 4.7770,
7.8981


 140.0413, 90.2242,
115.7168

 8.5605, 2.1170,
3.9430

 174.3418,
116.5905, 147.5895

 4.5104, 0.6742,
1.5941

 213.8302,
147.6498, 184.8354

 1.9948, 0.0000,
0.2866

258.8719,

 0.6310, 0.0000,

183.7866, 227.8729

0.0000

309.8322,
225.3852, 277.1206

■ 0.0000, 0.0000,
0.0000

■ 47.4116, 24.0019,
33.5865

■ 47.4116, 24.0019,
33.5865

■ 46.7284, 23.4553,
30.8313

■ 48.9482, 25.5870,
38.6865

■ 51.1309, 28.3378,
44.3917

■ 54.0579, 32.4478,
50.7440

■ 57.8093, 38.0743,
57.7787

■ 62.4540, 45.3527,
65.5271

68.0537, 54.4032,
74.0180

74.6640, 65.3349,
83.2778

82.3363, 78.2481,
93.3313

91.1184, 93.2356,
104.2020

Harmonies

Analogous

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



41.5989, 24.0019, 74.9433



47.4116, 24.0019, 33.5865



45.2657, 24.0019, 10.1815

Triad

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



47.4116, 24.0019, 33.5865



16.1990, 24.0019, 1.2043



13.1251, 24.0019, 98.1243

Complementary

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



47.4116, 24.0019, 33.5865



38.9976, 72.8379, 27.9368

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.



9.3726, 24.0019, 53.4872



47.4116, 24.0019, 33.5865



10.7552, 24.0019, 5.0800

Square

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



47.4116, 24.0019, 33.5865



25.2852, 24.0019, 0.7620



8.6524, 24.0019, 19.8745



20.5076, 24.0019, 126.2252

Rectangle

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



47.4116, 24.0019, 33.5865



39.8394, 24.0019, 3.8298



8.6524, 24.0019, 19.8745



11.4960, 24.0019, 83.4874

Sweetspot

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



47.4123, 24.0033, 33.5869



71.9622, 60.8409, 79.5731



24.7805, 10.9442, 95.4141



14.8026, 12.0319, 16.1843



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.



47.4123, 24.0033, 33.5869



46.7284, 23.4553, 30.8313



41.7784, 21.7497, 3.9192



18.4570, 18.1661, 21.0239



24.4927, 12.2864, 16.5106



2.4391, 1.2180, 1.8939

Inverse Universe

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



47.4123, 24.0033, 33.5869



46.7284, 23.4553, 30.8313



50.3822, 77.3917, 87.8874



18.4570, 18.1661, 21.0239



24.4927, 12.2864, 16.5106



2.4391, 1.2180, 1.8939

Previews

White Background



This preview shows how the XYZ color 47.4116, 24.0019, 33.5865 looks on a white background.

Color Contrast Check

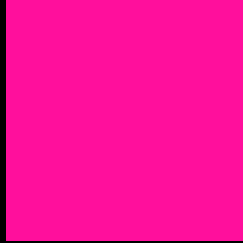
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.4116, 24.0019, 33.5865 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 47.4116, 24.0019, 33.5865

Background



This preview shows how black text looks on a background with the XYZ color 47.4116, 24.0019, 33.5865.



This preview shows how white text looks on a background with the XYZ color 47.4116, 24.0019,

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

47.4116, 24.0019, 33.5865

Protanopia

26.7161, 24.4829, 73.1296

Deuteranopia

24.7287, 24.2062, 30.1570



Tritanopia

42.1560, 24.2607, 7.4619

Trichromacy



Original Color

47.4116, 24.0019, 33.5865



Protanomaly

27.5915, 18.3362, 56.1178



Deuteranomaly

28.7644, 19.5050, 30.6826



Tritanomaly

43.3265, 23.5313, 13.8137

Monochromacy



Original Color

47.4116, 24.0019, 33.5865



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

19.8666, 13.1807, 19.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4116, 24.0019, 33.5865 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(255, 15, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 156)  
}
```

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(255, 15, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 156) }
```

Border

The CSS property to change the border of an element to XYZ 47.4116, 24.0019, 33.5865 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(255, 15, 156) }
```


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

```
.border{ border-color:rgb(255, 15, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4116, 24.0019, 33.5865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 156) }
```

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

```
.background{ background-color: rgb(255, 15,  
156) }
```

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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