

Converting Colors

XYZ(47.1307, 23.4429, 40.7850)

Have a look what the booklet for
XYZ(47.1307, 23.4429, 40.7850)
contains.

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Color

**XYZ(47.1343, 23.4495,
40.5700)**

Conversions

Conversions Part 1

Format	Color
Hex	FB00AB
RGB	251, 0, 171
RGB Percent	98%, 0%, 67%
CMY	0.0157, 0.9998, 0.3294
CMYK	0.00, 1.00, 0.32, 0.02
HSL	319°, 100%, 49%
HSV	319°, 100%, 98%
XYZ	47.1343, 23.4495, 40.5700
YIQ	94.5430, 94.7050, 106.3930

Conversions

Conversions Part 2

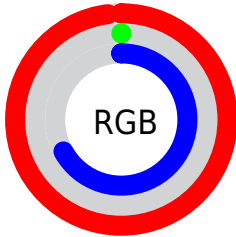
Format	Color
R_{YB}	251, 0, 171
Decimal	16449707
CIE _{Lab}	55.53, 87.43, -20.59
CIE _{LCh}	56, 89.825, 346.752
Yxy	23.4495, 0.4240, 0.2110
Android (android.graphics.Color)	4294639787 (0xFFFB00AB)
YUV	94.5430, 37.6933, 137.2128
Hunter-Lab	48.4247, 89.0003, -15.7756

Details

The XYZ color **47.1343, 23.4495, 40.5700** 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 **35.9481, 69.5748, 19.1355**, and the grayscale version is **10.6735, 11.2294, 12.2288**.

A 20% lighter version of the original color is **59.6211, 36.0583, 75.7691**, and **24.3160, 12.1507, 18.5165** is the 20% darker color. If you saturate the color by 10%, you get **47.1326, 23.4488, 40.5607**, and if you desaturate by 10%, it is **48.2716, 24.4661, 44.8272**.

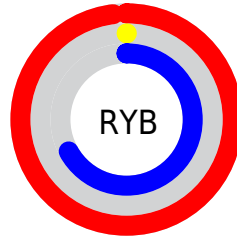
Distribution



Red (98%)

Green (0%)

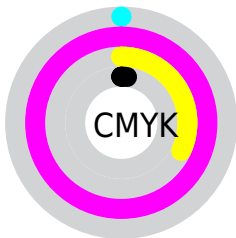
Blue (67%)



Red (98%)

Yellow (0%)

Blue (67%)

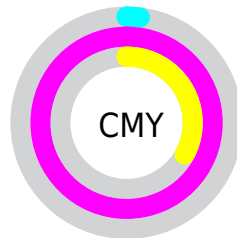


Cyan (0%)

Magenta (100%)

Yellow (32%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1343, 23.4495, 40.5700 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 47.1343, 23.4495, 40.5700 by changing the saturation by 10% instead.

 47.1343, 23.4495,
40.5700

 47.1343, 23.4495,
40.5700

365.9903,
270.0254, 364.1435

 33.3502, 14.9258,
27.6661


 85.1316, 49.1304,
77.2773


 22.5554, 8.7673,
17.8373


 110.0755, 67.0563,
101.9177

 14.3844, 4.5897,
10.6650


 139.4701, 88.8850,
131.3074

 8.4720, 2.0086,
5.7307

 173.6807,
115.0010, 165.8649

 4.4528, 0.6125,
2.6159

 213.0726,
145.7887, 206.0087

 1.9613, 0.0000,
0.9006

258.0113,

 0.6121, 0.0000,

181.6324, 252.1574

0.0000

308.8621,
222.9165, 304.7294

■ 0.0000, 0.0000,
0.0000

■ 47.1343, 23.4495,
40.5700

■ 47.1343, 23.4495,
40.5700

■ 47.1326, 23.4488,
40.5607

■ 48.2716, 24.4661,
44.8272

■ 49.9055, 26.4007,
49.4815

■ 52.1752, 29.5307,
54.5833

■ 55.1654, 34.0241,
60.1645

■ 58.9474, 40.0221,
66.2525

■ 63.5832, 47.6481,
72.8716

■ 69.1288, 57.0124,
80.0437

■ 75.6352, 68.2161,
87.7894

■ 83.1492, 81.3520,
96.1276

Harmonies

Analogous

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



39.7006, 23.4495, 86.0031



47.1343, 23.4495, 40.5700



46.6283, 23.4495, 12.5922

Triad

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



47.1343, 23.4495, 40.5700



17.1318, 23.4495, 0.6804



11.4283, 23.4495, 91.5374

Complementary

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



47.1343, 23.4495, 40.5700



35.9481, 69.5748, 19.1355

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.



8.3549, 23.4495, 45.2237



47.1343, 23.4495, 40.5700



10.8972, 23.4495, 3.2104

Square

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



47.1343, 23.4495, 40.5700



27.0568, 23.4495, 0.5810



8.1956, 23.4495, 14.7629



18.1154, 23.4495, 127.4309

Rectangle

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



47.1343, 23.4495, 40.5700



41.8224, 23.4495, 4.5857



8.1956, 23.4495, 14.7629



10.0401, 23.4495, 75.5734

Sweetspot

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



47.1350, 23.4508, 40.5704



71.6291, 59.0477, 82.9363



20.6814, 8.6511, 91.8466



14.7874, 11.7142, 17.0653



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.



47.1350, 23.4508, 40.5704



48.8514, 24.3045, 42.0108



40.2787, 20.7083, 4.4657



17.7438, 17.4249, 20.5066



24.8440, 12.3533, 21.6848



2.3492, 1.1634, 2.2622

Inverse Universe

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



47.1350, 23.4508, 40.5704



48.8514, 24.3045, 42.0108



45.5167, 73.4023, 69.5230



17.7438, 17.4249, 20.5066



24.8440, 12.3533, 21.6848



2.3492, 1.1634, 2.2622

Previews

White Background



This preview shows how the XYZ color 47.1343, 23.4495, 40.5700 looks on a white background.

Color Contrast Check

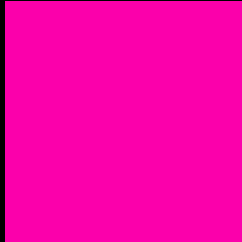
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.1343, 23.4495, 40.5700 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 47.1343, 23.4495, 40.5700

Background



This preview shows how black text looks on a background with the XYZ color 47.1343, 23.4495, 40.5700.



This preview shows how white text looks on a background with the XYZ color 47.1343, 23.4495,

40.5700.

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

47.1343, 23.4495, 40.5700

Protanopia

27.6699, 24.4265, 88.8444

Deuteranopia

24.4531, 23.9216, 36.5862



Tritanopia

40.4808, 23.8095, 8.2565

Trichromacy



Original Color

47.1343, 23.4495, 40.5700



Protanomaly

26.7730, 16.9471, 67.5057



Deuteranomaly

27.9256, 18.2140, 37.1658



Tritanomaly

41.8755, 22.5634, 16.0580

Monochromacy



Original Color

47.1343, 23.4495, 40.5700



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1399, 11.3372, 19.9711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1343, 23.4495, 40.5700 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, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 171)  
}
```

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, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 47.1343, 23.4495, 40.5700 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, 0, 171) }
```


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

```
.border{ border-color:rgb(251, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(251, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1343, 23.4495, 40.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 171) }
```

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

```
.background{ background-color: rgb(251, 0,  
171) }
```

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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