

Converting Colors

XYZ(45.5245, 23.4584, 41.6290)

Have a look what the booklet for
XYZ(45.5245, 23.4584, 41.6290)
contains.

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Color

**XYZ(45.4231, 23.3943,
41.6566)**

Conversions

Conversions Part 1

Format	Color
Hex	F422AD
RGB	244, 34, 173
RGB Percent	96%, 13%, 68%
CMY	0.0431, 0.8666, 0.3216
CMYK	0.00, 0.86, 0.29, 0.04
HSL	320°, 91%, 55%
HSV	320°, 86%, 96%
XYZ	45.4231, 23.3943, 41.6566
YIQ	112.6360, 80.5410, 87.7490

Conversions

Conversions Part 2

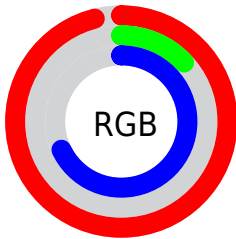
Format	Color
RYB	244, 34, 173
Decimal	15999661
CIELab	55.48, 82.83, -21.96
CIELCh	55, 85.689, 345.154
Yxy	23.3943, 0.4112, 0.2118
Android (android.graphics.Color)	4294189741 (0xFFFF422AD)
YUV	112.6360, 29.7595, 115.2062
Hunter-Lab	48.3677, 82.9898, -17.2061

Details

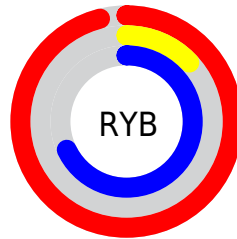
The XYZ color **45.4231, 23.3943, 41.6566** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **35.5621, 66.0624, 24.2474**, and the grayscale version is **15.4898, 16.2965, 17.7469**.

A 20% lighter version of the original color is **60.8515, 37.8544, 78.2281**, and **22.9186, 11.4233, 18.7663** is the 20% darker color. If you saturate the color by 10%, you get **44.1816, 22.1495, 37.4247**, and if you desaturate by 10%, it is **47.2090, 25.6484, 46.3135**.

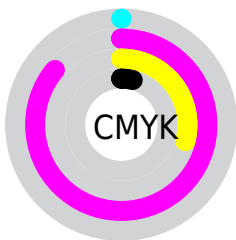
Distribution



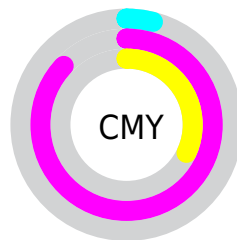
- Red (96%)
- Green (13%)
- Blue (68%)



- Red (96%)
- Yellow (13%)
- Blue (68%)



- Cyan (0%)
- Magenta (86%)
- Yellow (29%)
- Black (4%)





- Cyan (4%)
- Magenta (87%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4231, 23.3943, 41.6566 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 45.4231, 23.3943, 41.6566 by changing the saturation by 10% instead.


 45.4231, 23.3943,
41.6566


 45.4231, 23.3943,
41.6566


359.2394,
269.7438, 368.8150


 31.9935, 14.8849,
28.5089


 82.5881, 49.0400,
78.9441


 21.5121, 8.7387,
18.4673


 107.0543, 66.9450,
103.9210


 13.6134, 4.5711,
11.1131


 135.9300, 88.7508,
133.6781

 7.9322, 1.9979,
6.0278

 169.5806,
114.8417, 168.6339

 4.1030, 0.6062,
2.7929

 208.3715,
145.6020, 209.2070

 1.7606, 0.0000,
0.9899

252.6680,

 0.4937, 0.0000,

181.4162, 255.8158

0.0000

302.8355,
222.6686, 308.8790

■ 0.0000, 0.0000,
0.0000

■ 45.4231, 23.3943,
41.6566

■ 45.4231, 23.3943,
41.6566

■ 44.1816, 22.1495,
37.4247

■ 47.2090, 25.6484,
46.3135

■ 43.7853, 21.8239,
35.8530

■ 49.6278, 29.0883,
51.4287

■ 52.7535, 33.8605,
57.0312

■ 56.6492, 40.0895,
63.1459

■ 61.3702, 47.8852,
69.7955

66.9671, 57.3470,
77.0004

73.4859, 68.5660,
84.7799

80.9695, 81.6267,
93.1518

89.4579, 96.6079,
102.1333

Harmonies

Analogous

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



38.1544, 23.3943, 84.3210



45.4231, 23.3943, 41.6566



45.3816, 23.3943, 13.9540

Triad

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



45.4231, 23.3943, 41.6566



17.7296, 23.3943, 0.9046



11.5502, 23.3943, 84.7700

Complementary

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



45.4231, 23.3943, 41.6566



35.5621, 66.0624, 24.2474

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.



8.7048, 23.3943, 42.0404



45.4231, 23.3943, 41.6566



11.5047, 23.3943, 3.3720

Square

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



45.4231, 23.3943, 41.6566



27.3362, 23.3943, 0.8963



8.6911, 23.3943, 14.1394



17.8125, 23.3943, 119.0890

Rectangle

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



45.4231, 23.3943, 41.6566



41.1160, 23.3943, 5.4923



8.6911, 23.3943, 14.1394



10.2543, 23.3943, 69.9492

Sweetspot

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



45.4238, 23.3956, 41.6570



74.0215, 63.3856, 85.1114



22.6124, 10.6209, 86.4464



15.3597, 12.7438, 17.6103



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.



45.4238, 23.3956, 41.6570



48.3805, 24.1162, 39.5314



38.9557, 20.8083, 7.5963



16.9616, 16.6675, 19.5442



23.8743, 11.8932, 19.8443



2.1462, 1.0644, 1.9961

Inverse Universe

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



45.4238, 23.3956, 41.6570



48.3805, 24.1162, 39.5314



44.5203, 69.6457, 71.4206



16.9616, 16.6675, 19.5442



23.8743, 11.8932, 19.8443



2.1462, 1.0644, 1.9961

Previews

White Background



This preview shows how the XYZ color 45.4231, 23.3943, 41.6566 looks on a white background.

Color Contrast Check

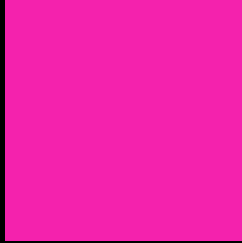
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4231, 23.3943, 41.6566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

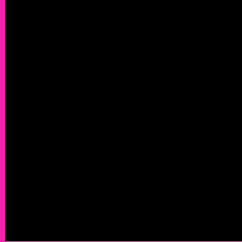
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.4231, 23.3943, 41.6566

Background



This preview shows how black text looks on a background with the XYZ color 45.4231, 23.3943, 41.6566.



This preview shows how white text looks on a background with the XYZ color 45.4231, 23.3943,

41.6566.

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

45.4231, 23.3943, 41.6566

Protanopia

27.0191, 23.9620, 85.6391

Deuteranopia

24.0199, 23.4794, 37.4484



Tritanopia

38.7134, 23.4379, 9.5047

Trichromacy



Original Color

45.4231, 23.3943, 41.6566



Protanomaly

27.3021, 18.7177, 67.1397



Deuteranomaly

28.2087, 19.8218, 38.4156



Tritanomaly

40.4238, 22.8230, 17.6040

Monochromacy



Original Color

45.4231, 23.3943, 41.6566



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

22.2414, 15.6670, 24.7734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4231, 23.3943, 41.6566 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(244, 34, 173)` looks like.

```
.text, #text, p{  
    color:rgb(244, 34, 173)  
}
```

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(244, 34, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 34, 173) }
```

Border

The CSS property to change the border of an element to XYZ 45.4231, 23.3943, 41.6566 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(244, 34, 173) }
```


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

```
.border{ border-color:rgb(244, 34, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 34, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 34, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 34, 173);  
box-shadow:4px 4px 4px 4px rgb(244, 34,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4231, 23.3943, 41.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 34, 173) }
```

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

```
.background{ background-color: rgb(244, 34,  
173) }
```

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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