

Converting Colors

XYZ(44.5028, 21.9406, 47.3296)

Have a look what the booklet for
XYZ(44.5028, 21.9406, 47.3296)
contains.

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Color

**XYZ(44.5869, 21.9860,
47.2411)**

Conversions

Conversions Part 1

Format	Color
Hex	F000B8
RGB	240, 0, 184
RGB Percent	94%, 0%, 72%
CMY	0.0588, 0.9998, 0.2784
CMYK	0.00, 1.00, 0.23, 0.06
HSL	314°, 100%, 47%
HSV	314°, 100%, 94%
XYZ	44.5869, 21.9860, 47.2411
YIQ	92.7360, 83.9760, 108.1040

Conversions

Conversions Part 2

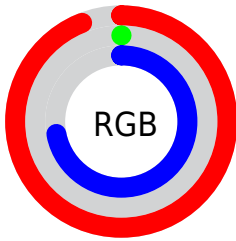
Format	Color
RYB	240, 0, 184
Decimal	15728824
CIELab	54.01, 86.73, -30.70
CIElCh	54, 91.998, 340.508
Yxy	21.9860, 0.3918, 0.1932
Android (android.graphics.Color)	4293918904 (0xFFFF00B8)
YUV	92.7360, 44.9932, 129.1505
Hunter-Lab	46.8892, 87.6792, -26.9125

Details

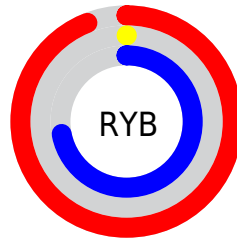
The XYZ color **44.5869, 21.9860, 47.2411** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **31.8760, 62.6068, 14.1524**, and the grayscale version is **10.2351, 10.7681, 11.7265**.

A 20% lighter version of the original color is **61.4300, 36.4750, 86.2407**, and **22.6871, 11.2224, 22.4431** is the 20% darker color. If you saturate the color by 10%, you get **44.5858, 21.9855, 47.2345**, and if you desaturate by 10%, it is **45.5138, 22.8811, 50.5048**.

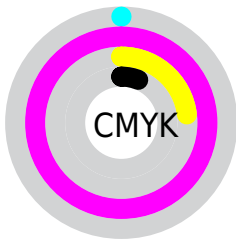
Distribution



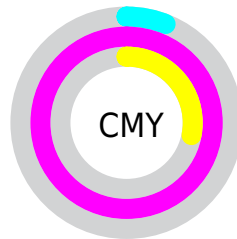
- Red (94%)
- Green (0%)
- Blue (72%)



- Red (94%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5869, 21.9860, 47.2411 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 44.5869, 21.9860, 47.2411 by changing the saturation by 10% instead.

 44.5869, 21.9860,
47.2411


 44.5869, 21.9860,
47.2411


355.9098,
262.4732, 392.1977


 31.3321, 13.8466,
32.8706

 81.3411, 46.7229,
87.4271


 21.0049, 8.0141,
21.7570


 105.5711, 64.0891,
114.0798

 13.2401, 4.1039,
13.4819


 134.1902, 85.2998,
145.6635

 7.6722, 1.7319,
7.6266

 167.5638,
110.7393, 182.5968

 3.9360, 0.4442,
3.7726

 206.0572,
140.7920, 225.2984

 1.6660, 0.0000,
1.5015

250.0357,

 0.4348, 0.0000,

175.8422, 274.1867

0.2190

299.8648,
216.2745, 329.6803

■ 0.0000, 0.0000,
0.0000

■ 44.5869, 21.9860,
47.2411

■ 44.5869, 21.9860,
47.2411

■ 44.5858, 21.9855,
47.2345

■ 45.5138, 22.8811,
50.5048

■ 46.8677, 24.5929,
54.0267

■ 48.7756, 27.3747,
57.8506

■ 51.3129, 31.3767,
62.0028

■ 54.5426, 36.7248,
66.5055

■ 58.5202, 43.5293,
71.3785

■ 63.2952, 51.8891,
76.6394

■ 68.9129, 61.8944,
82.3046

■ 75.4152, 73.6284,
88.3890

Harmonies

Analogous

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



35.9315, 21.9860, 94.3273



44.5869, 21.9860, 47.2411



45.8835, 21.9860, 15.2803

Triad

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



44.5869, 21.9860, 47.2411



17.6018, 21.9860, 0.1866



9.4739, 21.9860, 79.9964

Complementary

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



44.5869, 21.9860, 47.2411



31.8760, 62.6068, 14.1524

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.



7.1756, 21.9860, 35.3725



44.5869, 21.9860, 47.2411



10.7790, 21.9860, 1.7804

Square

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



44.5869, 21.9860, 47.2411



27.9449, 21.9860, 0.4474



7.5623, 21.9860, 9.9262



15.1466, 21.9860, 121.4847

Rectangle

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



44.5869, 21.9860, 47.2411



42.0663, 21.9860, 5.5169



7.5623, 21.9860, 9.9262



8.3773, 21.9860, 63.8622

Sweetspot

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



44.5876, 21.9872, 47.2415



72.5675, 59.4231, 87.8778



17.3619, 7.1344, 82.9004



15.0127, 11.8043, 18.2514



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.



44.5876, 21.9872, 47.2415



51.1455, 25.2222, 54.0916



36.8624, 18.8971, 6.5609



16.2873, 15.9646, 19.0690



24.4606, 12.0567, 26.1401



2.0727, 1.0181, 2.3735

Inverse Universe

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



44.5876, 21.9872, 47.2415



51.1455, 25.2222, 54.0916



38.9987, 65.4559, 51.6605



16.2873, 15.9646, 19.0690



24.4606, 12.0567, 26.1401



2.0727, 1.0181, 2.3735

Previews

White Background



This preview shows how the XYZ color 44.5869, 21.9860, 47.2411 looks on a white background.

Color Contrast Check

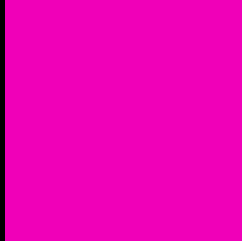
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.5869, 21.9860, 47.2411 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 44.5869, 21.9860, 47.2411

Background



This preview shows how black text looks on a background with the XYZ color 44.5869, 21.9860, 47.2411.



This preview shows how white text looks on a background with the XYZ color 44.5869, 21.9860,

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

44.5869, 21.9860, 47.2411

Protanopia

26.9270, 22.8718, 97.6032

Deuteranopia

22.9113, 22.4100, 42.1477



Tritanopia

36.9658, 22.4427, 9.2210

Trichromacy



Original Color

44.5869, 21.9860, 47.2411



Protanomaly

24.7572, 15.3875, 75.7940



Deuteranomaly

26.0887, 16.9120, 42.9636



Tritanomaly

38.3325, 20.8540, 18.2245

Monochromacy



Original Color

44.5869, 21.9860, 47.2411



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.1839, 10.7453, 20.9070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5869, 21.9860, 47.2411 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(240, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 184)  
}
```

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(240, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 44.5869, 21.9860, 47.2411 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(240, 0, 184) }
```


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

```
.border{ border-color:rgb(240, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5869, 21.9860, 47.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 184) }
```

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

```
.background{ background-color: rgb(240, 0,  
184) }
```

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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