

Converting Colors

XYZ(43.6747, 21.8118, 33.8195)

Have a look what the booklet for
XYZ(43.6747, 21.8118, 33.8195)
contains.

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Color

**XYZ(43.7420, 21.8468,
33.8097)**

Conversions

Conversions Part 1

Format	Color
Hex	F5009D
RGB	245, 0, 157
RGB Percent	96%, 0%, 62%
CMY	0.0392, 0.9998, 0.3843
CMYK	0.00, 1.00, 0.36, 0.04
HSL	322°, 100%, 48%
HSV	322°, 100%, 96%
XYZ	43.7420, 21.8468, 33.8097
YIQ	91.1530, 95.6230, 100.7670

Conversions

Conversions Part 2

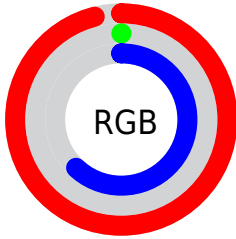
Format	Color
RYB	245, 0, 157
Decimal	16056477
CIELab	53.86, 84.89, -14.98
CIELCh	54, 86.205, 349.995
Yxy	21.8468, 0.4401, 0.2198
Android (android.graphics.Color)	4294246557 (0xFFFF5009D)
YUV	91.1530, 32.4626, 134.9238
Hunter-Lab	46.7406, 85.2527, -10.1689

Details

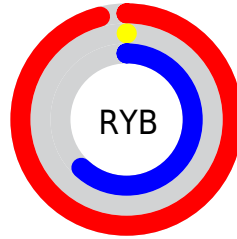
The XYZ color **43.7420, 21.8468, 33.8097** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **34.4169, 66.0107, 20.1721**, and the grayscale version is **9.8991, 10.4147, 11.3416**.

A 20% lighter version of the original color is **57.5855, 34.9371, 65.9958**, and **22.1300, 11.1079, 14.6133** is the 20% darker color. If you saturate the color by 10%, you get **43.7403, 21.8461, 33.8008**, and if you desaturate by 10%, it is **44.8592, 22.8348, 38.0246**.

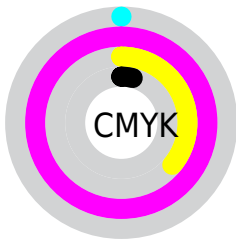
Distribution



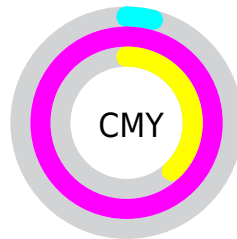
- Red (96%)
- Green (0%)
- Blue (62%)



- Red (96%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7420, 21.8468, 33.8097 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 43.7420, 21.8468, 33.8097 by changing the saturation by 10% instead.

 43.7420, 21.8468,
33.8097


 43.7420, 21.8468,
33.8097


352.5244,
261.7452, 334.0259

 30.6648, 13.7444,
22.4713


 80.0781, 46.4927,
66.7681


 20.4943, 7.9431,
14.0020


 104.0677, 63.8049,
89.2252


 12.8652, 4.0586,
7.9833

 132.4255, 84.9558,
116.2256

 7.4121, 1.7064,
3.9966

 165.5168,
110.3299, 148.1878

 3.7698, 0.4278,
1.6235

 203.7070,
140.3115, 185.5304

 1.5727, 0.0000,
0.3075

247.3614,

 0.3745, 0.0000,

175.2849, 228.6719

0.0000

296.8455,
215.6347, 278.0309

■ 0.0000, 0.0000,
0.0000

■ 43.7420, 21.8468,
33.8097

■ 43.7420, 21.8468,
33.8097

■ 43.7403, 21.8461,
33.8008

■ 44.8592, 22.8348,
38.0246

■ 46.4559, 24.6934,
42.6718

■ 48.6651, 27.6868,
47.8010

■ 51.5667, 31.9734,
53.4439

■ 55.2281, 37.6861,
59.6280

■ 59.7082, 44.9412,
66.3778

■ 65.0599, 53.8431,
73.7156

■ 71.3315, 64.4868,
81.6623

■ 78.5677, 76.9602,
90.2371

Harmonies

Analogous

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



37.6382, 21.8468, 74.0403



43.7420, 21.8468, 33.8097



42.4346, 21.8468, 10.2494

Triad

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



43.7420, 21.8468, 33.8097



15.2446, 21.8468, 0.8292



11.2811, 21.8468, 88.2702

Complementary

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



43.7420, 21.8468, 33.8097



34.4169, 66.0107, 20.1721

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.



8.1108, 21.8468, 45.8720



43.7420, 21.8468, 33.8097



9.8815, 21.8468, 3.7442

Square

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



43.7420, 21.8468, 33.8097



24.0197, 21.8468, 0.5576



7.6889, 21.8468, 15.9718



17.8180, 21.8468, 117.8552

Rectangle

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



43.7420, 21.8468, 33.8097



37.6415, 21.8468, 3.7464



7.6889, 21.8468, 15.9718



9.8802, 21.8468, 74.0243

Sweetspot

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



43.7427, 21.8480, 33.8101



71.1966, 58.8747, 80.6587



20.3002, 8.5621, 86.9690



14.6841, 11.6729, 16.5209



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.



43.7427, 21.8480, 33.8101



47.8856, 23.9183, 36.9255



37.9876, 19.5460, 3.5043



16.9462, 16.6613, 19.4631



23.6324, 11.7964, 18.5702



2.1261, 1.0564, 1.8902

Inverse Universe

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



43.7427, 21.8480, 33.8101



47.8856, 23.9183, 36.9255



44.0701, 69.8720, 71.0053



16.9462, 16.6613, 19.4631



23.6324, 11.7964, 18.5702



2.1261, 1.0564, 1.8902

Previews

White Background



This preview shows how the XYZ color 43.7420, 21.8468, 33.8097 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 43.7420, 21.8468, 33.8097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

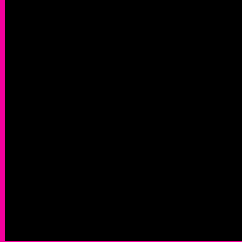
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.7420, 21.8468, 33.8097

Background



This preview shows how black text looks on a background with the XYZ color 43.7420, 21.8468, 33.8097.



This preview shows how white text looks on a background with the XYZ color 43.7420, 21.8468,

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

43.7420, 21.8468, 33.8097

Protanopia

25.1105, 22.6412, 74.2809

Deuteranopia

22.7694, 22.4050, 30.3186



Tritanopia

38.2446, 22.1661, 7.1133

Trichromacy



Original Color

43.7420, 21.8468, 33.8097



Protanomaly

24.8694, 15.9843, 56.4181



Deuteranomaly

26.1266, 17.2008, 30.7972



Tritanomaly

39.2058, 21.0337, 13.5488

Monochromacy



Original Color

43.7420, 21.8468, 33.8097



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.6402, 10.4670, 17.3629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7420, 21.8468, 33.8097 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(245, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 157)  
}
```

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(245, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 43.7420, 21.8468, 33.8097 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(245, 0, 157) }
```


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

```
.border{ border-color:rgb(245, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7420, 21.8468, 33.8097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 157) }
```

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

```
.background{ background-color: rgb(245, 0,  
157) }
```

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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