

Converting Colors

XYZ(42.8915, 20.7662, 28.2200)

Have a look what the booklet for
XYZ(42.8915, 20.7662, 28.2200)
contains.

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Color

**XYZ(43.3918, 21.7878,
28.3040)**

Conversions

Conversions Part 1

Format	Color
Hex	F70090
RGB	247, 0, 144
RGB Percent	97%, 0%, 56%
CMY	0.0314, 0.9998, 0.4353
CMYK	0.00, 1.00, 0.42, 0.03
HSL	325°, 100%, 48%
HSV	325°, 100%, 97%
XYZ	43.3918, 21.7878, 28.3040
YIQ	90.2690, 100.9880, 97.1480

Conversions

Conversions Part 2

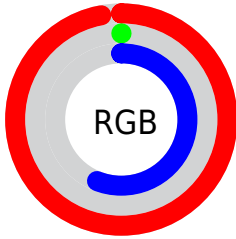
Format	Color
RYB	247, 0, 144
Decimal	16187536
CIELab	53.80, 84.13, -7.29
CIELCh	54, 84.448, 355.044
Yxy	21.7878, 0.4642, 0.2331
Android (android.graphics.Color)	4294377616 (0xFFFF70090)
YUV	90.2690, 26.4894, 137.4531
Hunter-Lab	46.6774, 84.2500, -3.2778

Details

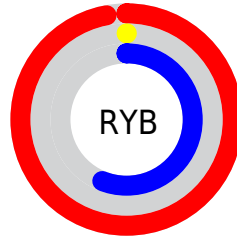
The XYZ color **43.3918, 21.7878, 28.3040** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **35.7127, 67.5023, 23.9949**, and the grayscale version is **9.7127, 10.2185, 11.1280**.

A 20% lighter version of the original color is **55.8949, 34.2609, 57.0931**, and **21.7875, 10.9985, 11.5643** is the 20% darker color. If you saturate the color by 10%, you get **43.3898, 21.7870, 28.2938**, and if you desaturate by 10%, it is **44.5582, 22.8024, 32.7571**.

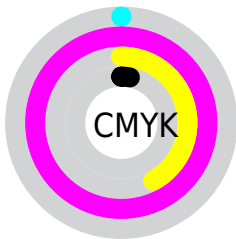
Distribution



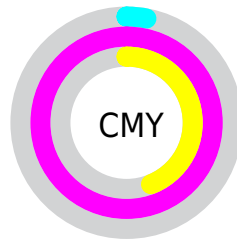
- Red (97%)
- Green (0%)
- Blue (56%)



- Red (97%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3918, 21.7878, 28.3040 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 43.3918, 21.7878, 28.3040 by changing the saturation by 10% instead.

 43.3918, 21.7878,
28.3040


 43.3918, 21.7878,
28.3040


351.1148,
261.4361, 307.8742


 30.3885, 13.7011,
18.3139


 79.5538, 46.3950,
57.9984


 20.2832, 7.9130,
11.0038


 103.4432, 63.6843,
78.5397


 12.7105, 4.0394,
5.9552

 131.6920, 84.8099,
103.4352

 7.3051, 1.6956,
2.7495

 164.6656,
110.1562, 133.1034

 3.7017, 0.4208,
0.9682

 202.7294,
140.1075, 167.9629

 1.5348, 0.0000,
0.0000

246.2486,

 0.3493, 0.0000,

175.0484, 208.4322

0.0000

295.5886,
215.3631, 254.9298

■ 0.0000, 0.0000,
0.0000

■ 43.3918, 21.7878,
28.3040

■ 43.3918, 21.7878,
28.3040

■ 43.3898, 21.7870,
28.2938

■ 44.5582, 22.8024,
32.7571

■ 46.2310, 24.7118,
37.7424

■ 48.5460, 27.7847,
43.3143

■ 51.5856, 32.1832,
49.5085

■ 55.4189, 38.0430,
56.3564

■ 60.1067, 45.4832,
63.8861

■ 65.7037, 54.6103,
72.1235

■ 72.2596, 65.5215,
81.0927

■ 79.8205, 78.3068,
90.8163

Harmonies

Analogous

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



38.5403, 21.7878, 65.3809



43.3918, 21.7878, 28.3040



40.8647, 21.7878, 8.2405

Triad

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



43.3918, 21.7878, 28.3040



14.1693, 21.7878, 1.1467



12.2384, 21.7878, 92.7064

Complementary

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



43.3918, 21.7878, 28.3040



35.7127, 67.5023, 23.9949

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.



8.5873, 21.7878, 51.7654



43.3918, 21.7878, 28.3040



9.4525, 21.7878, 5.0722

Square

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



43.3918, 21.7878, 28.3040



22.2518, 21.7878, 0.6032



7.7413, 21.7878, 19.6654



19.2386, 21.7878, 116.3633

Rectangle

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



43.3918, 21.7878, 28.3040



35.6343, 21.7878, 3.0270



7.7413, 21.7878, 19.6654



10.6698, 21.7878, 79.5169

Sweetspot

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



43.3924, 21.7891, 28.3043



70.5917, 58.6328, 77.4733



22.3772, 9.5975, 88.6686



14.5400, 11.6152, 15.7622



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.



43.3924, 21.7891, 28.3043



46.6360, 23.4184, 30.3447



38.4904, 19.8283, 2.4906



16.9043, 16.6446, 19.2424



23.0199, 11.5514, 15.3453



2.0744, 1.0357, 1.6181

Inverse Universe

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



43.3924, 21.7891, 28.3043



46.6360, 23.4184, 30.3447



47.0469, 72.0359, 83.6799



16.9043, 16.6446, 19.2424



23.0199, 11.5514, 15.3453



2.0744, 1.0357, 1.6181

Previews

White Background



This preview shows how the XYZ color 43.3918, 21.7878, 28.3040 looks on a white background.

Color Contrast Check

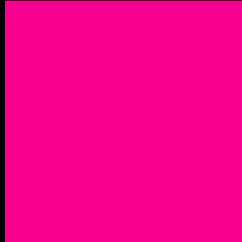
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.3918, 21.7878, 28.3040 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 43.3918, 21.7878, 28.3040

Background



This preview shows how black text looks on a background with the XYZ color 43.3918, 21.7878, 28.3040.



This preview shows how white text looks on a background with the XYZ color 43.3918, 21.7878,

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

43.3918, 21.7878, 28.3040

Protanopia

24.2372, 22.6527, 62.1264

Deuteranopia

22.6790, 22.2779, 25.2951



Tritanopia

38.8448, 22.1090, 6.2231

Trichromacy



Original Color

43.3918, 21.7878, 28.3040



Protanomaly

24.7310, 16.1179, 47.1550



Deuteranomaly

26.2064, 17.2468, 25.6146



Tritanomaly

39.7423, 21.2161, 11.4517

Monochromacy



Original Color

43.3918, 21.7878, 28.3040



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.3102, 10.2551, 15.8716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3918, 21.7878, 28.3040 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(247, 0, 144)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 144)  
}
```

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(247, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 43.3918, 21.7878, 28.3040 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(247, 0, 144) }
```


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

```
.border{ border-color:rgb(247, 0, 144) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3918, 21.7878, 28.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 144) }
```

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

```
.background{ background-color: rgb(247, 0,  
144) }
```

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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