

Converting Colors

XYZ(47.6418, 27.8333, 36.0442)

Have a look what the booklet for
XYZ(47.6418, 27.8333, 36.0442)
contains.

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Color

**XYZ(47.7810, 27.9433,
36.1330)**

Conversions

Conversions Part 1

Format	Color
Hex	F84EA0
RGB	248, 78, 160
RGB Percent	97%, 31%, 63%
CMY	0.0275, 0.6941, 0.3725
CMYK	0.00, 0.69, 0.35, 0.03
HSL	331°, 92%, 64%
HSV	331°, 69%, 97%
XYZ	47.7810, 27.9433, 36.1330
YIQ	138.1780, 74.9980, 61.5420

Conversions

Conversions Part 2

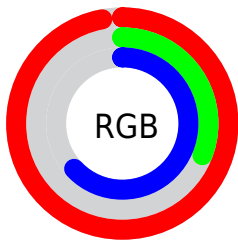
Format	Color
R _Y B	248, 78, 160
Decimal	16273056
CIE Lab	59.84, 70.68, -7.71
CIE LCh	60, 71.100, 353.773
Yxy	27.9433, 0.4272, 0.2498
Android (android.graphics.Color)	4294463136 (0xFF84EA0)
YUV	138.1780, 10.7582, 96.3139
Hunter-Lab	52.8614, 68.8372, -3.5242

Details

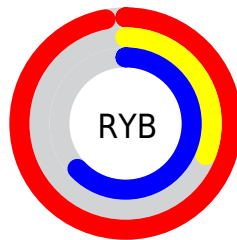
The XYZ color **47.7810, 27.9433, 36.1330** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.5940, 71.5086, 47.5860**, and the grayscale version is **24.1671, 25.4257, 27.6886**.

A 20% lighter version of the original color is **62.5942, 44.3433, 69.5500**, and **23.2538, 11.6689, 15.4947** is the 20% darker color. If you saturate the color by 10%, you get **45.2734, 24.6336, 30.0391**, and if you desaturate by 10%, it is **51.0701, 32.6302, 43.0601**.

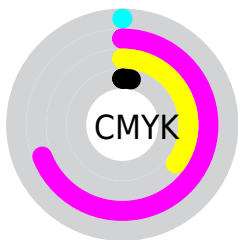
Distribution



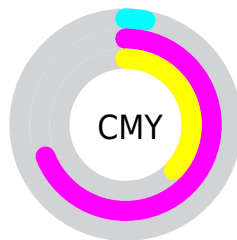
- Red (97%)
- Green (31%)
- Blue (63%)



- Red (97%)
- Yellow (31%)
- Blue (63%)



- Cyan (0%)
- Magenta (69%)
- Yellow (35%)
- Black (3%)





- Cyan (3%)
- Magenta (69%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7810, 27.9433, 36.1330 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 47.7810, 27.9433, 36.1330 by changing the saturation by 10% instead.


 47.7810, 27.9433,
36.1330


 47.7810, 27.9433,
36.1330


368.5205,
292.1959, 344.5965


 33.8640, 18.2829,
24.2464

 86.0899, 56.3939,
70.4087


 22.9515, 11.1533,
15.3026

 111.2126, 75.9529,
93.6348

 14.6782, 6.1700,
8.8831


 140.8011, 99.5803,
121.4779

 8.6787, 2.9488,
4.5692

 175.2210,
127.6604, 154.3565

 4.5876, 1.1050,
1.9425

214.8375,
160.5776, 192.6891

 2.0397, 0.0000,
0.5196

260.0160,

 0.6561, 0.0000,

198.7163, 236.8943

0.0000

311.1219,
242.4609, 287.3905

■ 0.0000, 0.0000,
0.0000

■ 47.7810, 27.9433,
36.1330

■ 47.7810, 27.9433,
36.1330

■ 45.2734, 24.6336,
30.0391

■ 51.0701, 32.6302,
43.0601

■ 43.4622, 22.5369,
24.7322

■ 55.2085, 38.8248,
50.8588


■ 42.2317, 21.4273,
20.1557

■ 60.2590, 46.6474,
59.5663


■ 42.0784, 21.3033,
19.5417

■ 66.2775, 56.2048,
69.2164

■ 73.3151, 67.5946,
79.8408

 81.4192, 80.9071,
91.4697

 90.6344, 96.2267,
104.1315

 92.5215, 98.6965,
108.7817

Harmonies

Analogous

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



43.1357, 27.9433, 70.1940



47.7810, 27.9433, 36.1330



45.7856, 27.9433, 14.4831

Triad

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



47.7810, 27.9433, 36.1330



20.1678, 27.9433, 3.8576



17.5774, 27.9433, 90.5937

Complementary

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



47.7810, 27.9433, 36.1330



43.5940, 71.5086, 47.5860

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.



13.6468, 27.9433, 55.1392



47.7810, 27.9433, 36.1330



14.8886, 27.9433, 9.5095

Square

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



47.7810, 27.9433, 36.1330



28.4838, 27.9433, 2.9508



12.7878, 27.9433, 25.3531



24.7234, 27.9433, 111.2424

Rectangle

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



47.7810, 27.9433, 36.1330



41.1417, 27.9433, 7.3862



12.7878, 27.9433, 25.3531



15.9077, 27.9433, 79.2977

Sweetspot

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



47.7818, 27.9448, 36.1335



76.1353, 68.8049, 82.1426



35.3604, 20.3171, 90.8650



15.8450, 13.9957, 16.9050



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.



47.7818, 27.9448, 36.1335



47.4603, 25.3051, 29.8857



43.0178, 26.3683, 10.0319



17.5934, 17.3647, 19.7144



22.8009, 11.5361, 10.9258



2.1650, 1.0898, 1.2925

Inverse Universe

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



47.7818, 27.9448, 36.1335



47.4603, 25.3051, 29.8857



52.7890, 73.8034, 100.2703



17.5934, 17.3647, 19.7144



22.8009, 11.5361, 10.9258



2.1650, 1.0898, 1.2925

Previews

White Background



This preview shows how the XYZ color 47.7810, 27.9433, 36.1330 looks on a white background.

Color Contrast Check

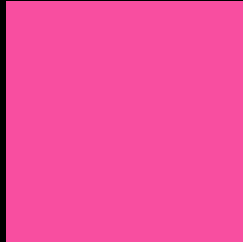
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.7810, 27.9433, 36.1330 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 47.7810, 27.9433, 36.1330

Background



This preview shows how black text looks on a background with the XYZ color 47.7810, 27.9433, 36.1330.

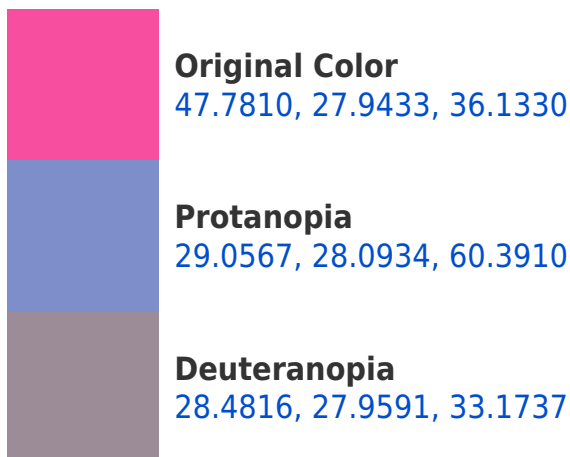


This preview shows how white text looks on a background with the XYZ color 47.7810, 27.9433,

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

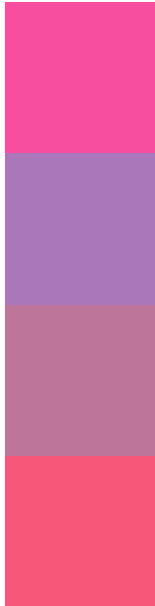




Tritanopia

43.4747, 27.9627, 14.9103

Trichromacy



Original Color

47.7810, 27.9433, 36.1330

Protanomaly

32.1440, 25.3276, 50.2082

Deuteranomaly

33.1803, 25.8745, 33.8173

Tritanomaly

44.5971, 27.7724, 21.0992

Monochromacy



Original Color

47.7810, 27.9433, 36.1330

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

29.7938, 24.0311, 30.2623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7810, 27.9433, 36.1330 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(248, 78, 160)` looks like.

```
.text, #text, p{  
    color:rgb(248, 78, 160)  
}
```

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(248, 78, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 78, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.7810, 27.9433, 36.1330 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(248, 78, 160) }
```


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

```
.border{ border-color:rgb(248, 78, 160) }
```

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

Here you see how a box with a 4 pixel rgb(248, 78, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 78, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 78, 160);  
box-shadow:4px 4px 4px 4px rgb(248, 78,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7810, 27.9433, 36.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 78, 160) }
```

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

```
.background{ background-color: rgb(248, 78,  
160) }
```

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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