

Converting Colors

XYZ(50.8457, 29.8983, 21.0914)

Have a look what the booklet for
XYZ(50.8457, 29.8983, 21.0914)
contains.

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Color

**XYZ(47.4156, 28.0893,
21.0118)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4E79
RGB	255, 78, 121
RGB Percent	100%, 31%, 47%
CMY	0.0000, 0.6941, 0.5255
CMYK	0.00, 0.69, 0.53, 0.00
HSL	345°, 100%, 65%
HSV	345°, 69%, 100%
XYZ	47.4156, 28.0893, 21.0118
YIQ	135.8250, 91.6890, 50.8970

Conversions

Conversions Part 2

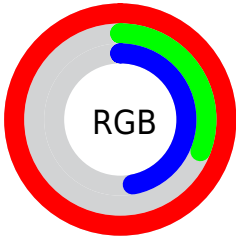
Format	Color
R_{YB}	255, 78, 121
Decimal	16731769
CIE _{Lab}	59.97, 69.10, 15.41
CIE _{LCh}	60, 70.792, 12.570
Yxy	28.0893, 0.4913, 0.2910
Android (android.graphics.Color)	4294921849 (0xFFFF4E79)
YUV	135.8250, -7.3087, 104.5165
Hunter-Lab	52.9993, 66.9453, 13.5938

Details

The XYZ color **47.4156, 28.0893, 21.0118** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **50.7878, 77.8940, 74.6530**, and the grayscale version is **23.3405, 24.5560, 26.7415**.

A 20% lighter version of the original color is **57.8713, 42.4541, 44.6795**, and **22.9408, 11.6875, 7.3501** is the 20% darker color. If you saturate the color by 10%, you get **44.8739, 24.7151, 14.8964**, and if you desaturate by 10%, it is **50.8975, 32.9651, 28.6100**.

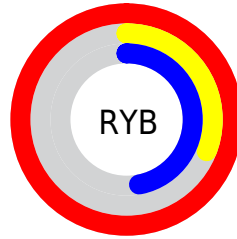
Distribution



Red (100%)

Green (31%)

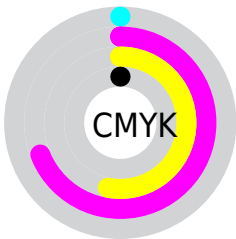
Blue (47%)



Red (100%)

Yellow (31%)

Blue (47%)

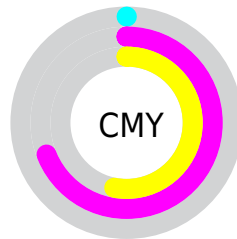


Cyan (0%)

Magenta (69%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4156, 28.0893, 21.0118 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 47.4156, 28.0893, 21.0118 by changing the saturation by 10% instead.


 47.4156, 28.0893,
21.0118

 47.4156, 28.0893,
21.0118


367.0923,
292.8934, 270.1243

 33.5736, 18.3930,
12.9413

 85.5486, 56.6270,
45.9882


 22.7276, 11.2325,
7.2579


 110.5704, 76.2371,
63.7312

 14.5121, 6.2234,
3.5430


 140.0495, 99.9207,
85.5355

 8.5618, 2.9814,
1.3782

 174.3513,
128.0621, 111.8195

 4.5113, 1.1220,
0.1246

213.8411,
161.0456, 143.0019

 1.9952, 0.0000,
0.0000

258.8843,

 0.6313, 0.0000,

199.2558, 179.5011

0.0000

309.8462,
243.0769, 221.7357

■ 0.0000, 0.0000,
0.0000

■ 47.4156, 28.0893,
21.0118

■ 47.4156, 28.0893,
21.0118

■ 44.8739, 24.7151,
14.8964

■ 50.8975, 32.9651,
28.6100

■ 43.1699, 22.6595,
10.1586

■ 55.4030, 39.4881,
37.7824


■ 42.1557, 21.6525,
6.6721

■ 61.0086, 47.7919,
48.6143

■ 42.1076, 21.6070,
6.4996

■ 67.7826, 57.9949,
61.1842

■ 75.7875, 70.2053,
75.5655

 85.0815, 84.5233,
91.8272

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



46.8604, 28.0893, 47.9737



47.4156, 28.0893, 21.0118



41.5882, 28.0893, 7.8080

Triad

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



47.4156, 28.0893, 21.0118



16.6139, 28.0893, 6.6713



21.8399, 28.0893, 106.4892

Complementary

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



47.4156, 28.0893, 21.0118



50.7878, 77.8940, 74.6530

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.



15.8685, 28.0893, 77.8926



47.4156, 28.0893, 21.0118



13.3508, 28.0893, 18.0050

Square

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



47.4156, 28.0893, 21.0118



23.1042, 28.0893, 3.2259



13.1128, 28.0893, 42.6960



30.6465, 28.0893, 109.0093

Rectangle

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



47.4156, 28.0893, 21.0118



35.4956, 28.0893, 4.3076



13.1128, 28.0893, 42.6960



19.4893, 28.0893, 99.0906

Sweetspot

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



47.4163, 28.0909, 21.0123



74.4277, 68.1218, 73.1506



47.5683, 26.4828, 97.2120



15.4424, 13.8346, 14.7852



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.



47.4163, 28.0909, 21.0123



44.1712, 23.8351, 13.0413



49.6068, 35.7929, 11.5041



18.1902, 18.0594, 19.6189



22.0509, 11.3097, 3.6526



2.1878, 1.1175, 0.5706

Inverse Universe

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



47.4163, 28.0909, 21.0123



44.1712, 23.8351, 13.0413



44.4257, 55.3059, 102.9410



18.1902, 18.0594, 19.6189



22.0509, 11.3097, 3.6526



2.1878, 1.1175, 0.5706

Previews

White Background



This preview shows how the XYZ color 47.4156, 28.0893, 21.0118 looks on a white background.

Color Contrast Check

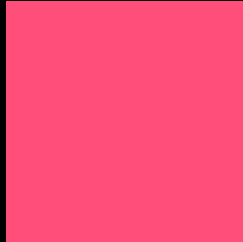
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.4156, 28.0893, 21.0118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

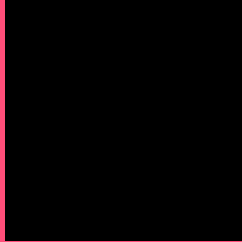
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.4156, 28.0893, 21.0118

Background



This preview shows how black text looks on a background with the XYZ color 47.4156, 28.0893, 21.0118.



This preview shows how white text looks on a background with the XYZ color 47.4156, 28.0893,

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

47.4156, 28.0893, 21.0118

Protanopia

27.3913, 28.2424, 35.0180

Deuteranopia

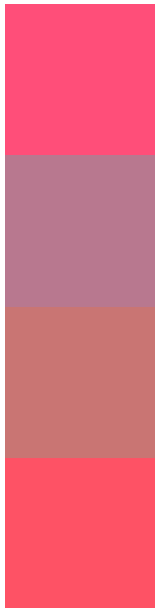
28.7348, 28.1811, 19.2542



Tritanopia

45.5597, 28.1009, 12.4740

Trichromacy



Original Color

47.4156, 28.0893, 21.0118

Protanomaly

31.4416, 25.6065, 29.2720

Deuteranomaly

33.5432, 26.3779, 19.5432

Tritanomaly

46.2393, 28.0450, 15.2881

Monochromacy



Original Color

47.4156, 28.0893, 21.0118

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

28.8179, 23.4839, 24.4867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4156, 28.0893, 21.0118 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(255, 78, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 121)  
}
```

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(255, 78, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 121) }
```

Border

The CSS property to change the border of an element to XYZ 47.4156, 28.0893, 21.0118 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(255, 78, 121) }
```


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

```
.border{ border-color:rgb(255, 78, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 78, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4156, 28.0893, 21.0118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 121) }
```

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

```
.background{ background-color: rgb(255, 78,  
121) }
```

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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