

Converting Colors

XYZ(46.6598, 24.3051, 27.7665)

Have a look what the booklet for
XYZ(46.6598, 24.3051, 27.7665)
contains.

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Color

**XYZ(46.6663, 24.3007,
27.8221)**

Conversions

Conversions Part 1

Format	Color
Hex	FF218E
RGB	255, 33, 142
RGB Percent	100%, 13%, 56%
CMY	0.0000, 0.8705, 0.4431
CMYK	0.00, 0.87, 0.44, 0.00
HSL	331°, 100%, 56%
HSV	331°, 87%, 100%
XYZ	46.6663, 24.3007, 27.8221
YIQ	111.8040, 97.3230, 80.9630

Conversions

Conversions Part 2

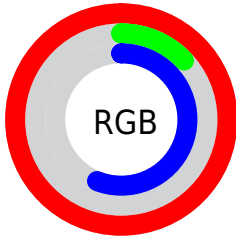
Format	Color
R _Y B	255, 33, 142
Decimal	16720270
CIE Lab	56.39, 82.43, -2.11
CIE LCh	56, 82.461, 358.536
Yxy	24.3007, 0.4724, 0.2460
Android (android.graphics.Color)	4294910350 (0xFFFF218E)
YUV	111.8040, 14.8866, 125.5829
Hunter-Lab	49.2957, 82.7112, 1.0442

Details

The XYZ color **46.6663, 24.3007, 27.8221** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **41.5782, 73.9197, 39.2811**, and the grayscale version is **15.2854, 16.0815, 17.5127**.

A 20% lighter version of the original color is **56.5590, 36.1374, 55.6240**, and **23.6700, 11.9792, 11.1899** is the 20% darker color. If you saturate the color by 10%, you get **45.2853, 23.0088, 22.8299**, and if you desaturate by 10%, it is **48.6944, 26.7053, 33.5904**.

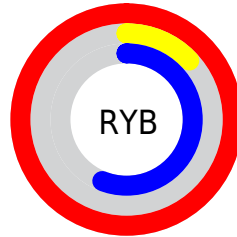
Distribution



Red (100%)

Green (13%)

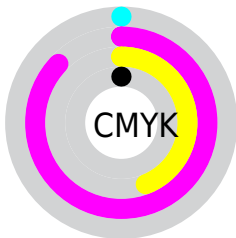
Blue (56%)



Red (100%)

Yellow (13%)

Blue (56%)

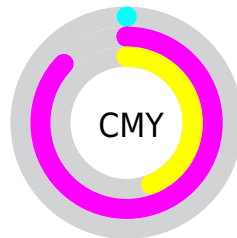


Cyan (0%)

Magenta (87%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6663, 24.3007, 27.8221 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 46.6663, 24.3007, 27.8221 by changing the saturation by 10% instead.


 46.6663, 24.3007,
27.8221


 46.6663, 24.3007,
27.8221


364.1522,
274.3372, 305.5010

 32.9788, 15.5568,
17.9537


 84.4371, 50.5205,
57.2200


 22.2693, 9.2111,
10.7477


 109.2510, 68.7651,
77.5865


 14.1727, 4.8791,
5.7854


 138.5045, 90.9455,
102.2896

 8.3234, 2.1765,
2.6484

 172.5629,
117.4461, 131.7477

 4.3561, 0.7071,
0.9173

 211.7915,
148.6511, 166.3793

 1.9055, 0.0000,
0.0000

256.5556,

 0.5800, 0.0000,

184.9450, 206.6031

0.0000

307.2207,
226.7123, 252.8374

■ 0.0000, 0.0000,
0.0000

■ 46.6663, 24.3007,
27.8221

■ 46.6663, 24.3007,
27.8221

■ 45.2853, 23.0088,
22.8299

■ 48.6944, 26.7053,
33.5904

■ 44.9535, 22.7454,
21.4860

■ 51.4766, 30.4304,
40.1881

■ 55.0995, 35.6437,
47.6618

■ 59.6367, 42.4868,
56.0524

■ 65.1531, 51.0848,
65.3978

71.7076, 61.5501,
75.7330

79.3543, 73.9860,
87.0908

88.1431, 88.4880,
99.5022

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.



42.5030, 24.3007, 64.3603



46.6663, 24.3007, 27.8221



43.2095, 24.3007, 8.4811

Triad

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



46.6663, 24.3007, 27.8221



15.4069, 24.3007, 1.9541



14.7965, 24.3007, 101.1412

Complementary

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



46.6663, 24.3007, 27.8221



41.5782, 73.9197, 39.2811

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.



10.4553, 24.3007, 60.2530



46.6663, 24.3007, 27.8221



10.7336, 24.3007, 7.4399

Square

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



46.6663, 24.3007, 27.8221



23.5681, 24.3007, 1.0354



9.2011, 24.3007, 25.1418



22.6323, 24.3007, 121.1416

Rectangle

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



46.6663, 24.3007, 27.8221



37.4686, 24.3007, 3.4052



9.2011, 24.3007, 25.1418



12.9695, 24.3007, 88.4313

Sweetspot

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



46.6670, 24.3021, 27.8225



72.4575, 62.7600, 76.8756



30.0984, 14.2396, 95.7696



14.9886, 12.5954, 15.6559



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.



46.6670, 24.3021, 27.8225



44.9537, 22.7455, 21.4860



42.0593, 22.4591, 3.5590



18.3811, 18.1357, 20.6239



23.5643, 11.9150, 11.6219



2.3494, 1.1821, 1.4213

Inverse Universe

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



46.6670, 24.3021, 27.8225



44.9537, 22.7455, 21.4860



54.4379, 79.0635, 106.9990



18.3811, 18.1357, 20.6239



23.5643, 11.9150, 11.6219



2.3494, 1.1821, 1.4213

Previews

White Background



This preview shows how the XYZ color 46.6663, 24.3007, 27.8221 looks on a white background.

Color Contrast Check

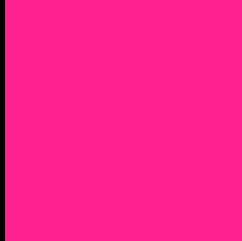
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6663, 24.3007, 27.8221 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 46.6663, 24.3007, 27.8221

Background



This preview shows how black text looks on a background with the XYZ color 46.6663, 24.3007, 27.8221.



This preview shows how white text looks on a background with the XYZ color 46.6663, 24.3007,

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

46.6663, 24.3007, 27.8221

Protanopia

25.8899, 24.7977, 58.0655

Deuteranopia

24.8588, 24.3826, 25.2259



Tritanopia

42.4866, 24.4344, 7.3275

Trichromacy



Original Color

46.6663, 24.3007, 27.8221



Protanomaly

27.9284, 19.8034, 44.9983



Deuteranomaly

29.2752, 20.6534, 25.7361



Tritanomaly

43.3046, 23.9241, 12.4606

Monochromacy



Original Color

46.6663, 24.3007, 27.8221



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

21.9782, 15.5091, 20.5741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6663, 24.3007, 27.8221 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, 33, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 142)  
}
```

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, 33, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 142) }
```

Border

The CSS property to change the border of an element to XYZ 46.6663, 24.3007, 27.8221 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, 33, 142) }
```


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

```
.border{ border-color:rgb(255, 33, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 33, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6663, 24.3007, 27.8221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 142) }
```

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

```
.background{ background-color: rgb(255, 33,  
142) }
```

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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