

Converting Colors

XYZ(46.5166, 24.2233, 27.0874)

Have a look what the booklet for
XYZ(46.5166, 24.2233, 27.0874)
contains.

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Color

**XYZ(46.5175, 24.2412,
27.0382)**

Conversions

Conversions Part 1

Format	Color
Hex	FF218C
RGB	255, 33, 140
RGB Percent	100%, 13%, 55%
CMY	0.0000, 0.8705, 0.4510
CMYK	0.00, 0.87, 0.45, 0.00
HSL	331°, 100%, 56%
HSV	331°, 87%, 100%
XYZ	46.5175, 24.2412, 27.0382
YIQ	111.5760, 97.9650, 80.3410

Conversions

Conversions Part 2

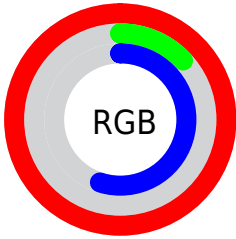
Format	Color
R _Y B	255, 33, 140
Decimal	16720268
CIE _{Lab}	56.33, 82.27, -1.01
CIE _{LCh}	56, 82.275, 359.300
Yxy	24.2412, 0.4757, 0.2479
Android (android.graphics.Color)	4294910348 (0xFFFF218C)
YUV	111.5760, 14.0130, 125.7828
Hunter-Lab	49.2354, 82.4847, 1.9049

Details

The XYZ color **46.5175, 24.2412, 27.0382** 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 **41.7353, 73.9826, 40.1082**, and the grayscale version is **15.2213, 16.0140, 17.4393**.

A 20% lighter version of the original color is **56.3343, 36.0475, 54.4408**, and **23.5837, 11.9447, 10.7354** is the 20% darker color. If you saturate the color by 10%, you get **45.1387, 22.9502, 22.0575**, and if you desaturate by 10%, it is **48.5469, 26.6463, 32.8131**.

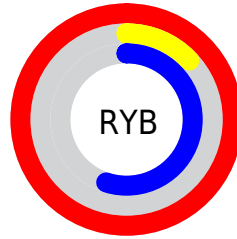
Distribution



Red (100%)

Green (13%)

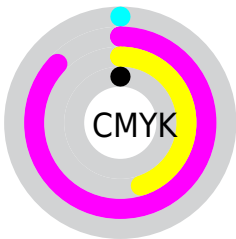
Blue (55%)



Red (100%)

Yellow (13%)

Blue (55%)

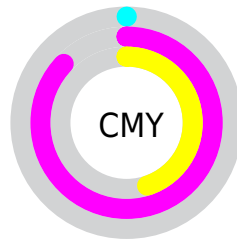


Cyan (0%)

Magenta (87%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5175, 24.2412, 27.0382 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 46.5175, 24.2412, 27.0382 by changing the saturation by 10% instead.

 46.5175, 24.2412,
27.0382


 46.5175, 24.2412,
27.0382


363.5664,
274.0376, 301.6081


 32.8607, 15.5126,
17.3692


 84.2161, 50.4235,
55.9496


 22.1785, 9.1800,
10.3334


 108.9886, 68.6461,
76.0292


 14.1055, 4.8587,
5.5121


 138.1971, 90.8021,
100.4160

 8.2762, 2.1646,
2.4868

 172.2069,
117.2759, 129.5286

 4.3255, 0.7006,
0.8331

 211.3834,
148.4520, 163.7856

 1.8879, 0.0000,
0.0000

256.0919,

 0.5698, 0.0000,

184.7147, 203.6055

0.0000

306.6978,
226.4485, 249.4068

■ 0.0000, 0.0000,
0.0000

■ 46.5175, 24.2412,
27.0382

■ 46.5175, 24.2412,
27.0382

■ 45.1387, 22.9502,
22.0575

■ 48.5469, 26.6463,
32.8131

■ 44.8082, 22.6873,
20.7202

■ 51.3341, 30.3734,
39.4369

■ 54.9658, 35.5903,
46.9570

■ 59.5159, 42.4386,
55.4157

■ 65.0495, 51.0434,
64.8516

71.6257, 61.5175,
75.3007

79.2986, 73.9639,
86.7968

88.1185, 88.4784,
99.3718

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



42.5540, 24.2412, 63.0599



46.5175, 24.2412, 27.0382



42.8905, 24.2412, 8.1945

Triad

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



46.5175, 24.2412, 27.0382



15.2168, 24.2412, 2.0210



14.9258, 24.2412, 101.6177

Complementary

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



46.5175, 24.2412, 27.0382



41.7353, 73.9826, 40.1082

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.



10.5128, 24.2412, 61.1041



46.5175, 24.2412, 27.0382



10.6455, 24.2412, 7.6978

Square

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



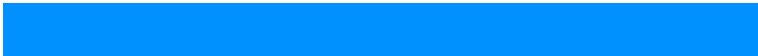
46.5175, 24.2412, 27.0382



23.2642, 24.2412, 1.0400



9.1903, 24.2412, 25.7612



22.8183, 24.2412, 120.6744

Rectangle

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



46.5175, 24.2412, 27.0382



37.1005, 24.2412, 3.2956



9.1903, 24.2412, 25.7612



13.0748, 24.2412, 89.1151

Sweetspot

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



46.5182, 24.2426, 27.0386



72.3779, 62.7281, 76.4564



30.7554, 14.5783, 95.8005



14.9698, 12.5879, 15.5570



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.



46.5182, 24.2426, 27.0386



44.8083, 22.6873, 20.7202



42.1679, 22.6761, 3.5952



18.3740, 18.1329, 20.5868



23.4879, 11.8844, 11.2196



2.3418, 1.1791, 1.3814

Inverse Universe

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



46.5182, 24.2426, 27.0386



44.8083, 22.6873, 20.7202



53.2691, 76.7258, 106.6095



18.3740, 18.1329, 20.5868



23.4879, 11.8844, 11.2196



2.3418, 1.1791, 1.3814

Previews

White Background



This preview shows how the XYZ color 46.5175, 24.2412, 27.0382 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 46.5175, 24.2412, 27.0382 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 46.5175, 24.2412, 27.0382

Background



This preview shows how black text looks on a background with the XYZ color 46.5175, 24.2412, 27.0382.



This preview shows how white text looks on a background with the XYZ color 46.5175, 24.2412,

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

46.5175, 24.2412, 27.0382

Protanopia

25.5358, 24.4511, 56.1970

Deuteranopia

24.9081, 24.4236, 24.5205



Tritanopia

42.4317, 24.3246, 7.3092

Trichromacy



Original Color

46.5175, 24.2412, 27.0382



Protanomaly

27.8371, 19.7910, 43.4272



Deuteranomaly

29.3816, 20.7245, 25.0059



Tritanomaly

43.2605, 23.8358, 12.4459

Monochromacy



Original Color

46.5175, 24.2412, 27.0382



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

21.9160, 15.4842, 20.2460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5175, 24.2412, 27.0382 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 140) }
```

Border

The CSS property to change the border of an element to XYZ 46.5175, 24.2412, 27.0382 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, 140) }
```


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

```
.border{ border-color:rgb(255, 33, 140) }
```

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, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5175, 24.2412, 27.0382 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, 140) }
```

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

```
.background{ background-color: rgb(255, 33,  
140) }
```

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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