

Converting Colors

XYZ(46.2612, 23.9348, 26.3172)

Have a look what the booklet for
XYZ(46.2612, 23.9348, 26.3172)
contains.

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Color

**XYZ(46.2427, 23.9255,
26.2256)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1C8A
RGB	255, 28, 138
RGB Percent	100%, 11%, 54%
CMY	0.0000, 0.8901, 0.4588
CMYK	0.00, 0.89, 0.46, 0.00
HSL	331°, 100%, 55%
HSV	331°, 89%, 100%
XYZ	46.2427, 23.9255, 26.2256
YIQ	108.4130, 99.9820, 82.3340

Conversions

Conversions Part 2

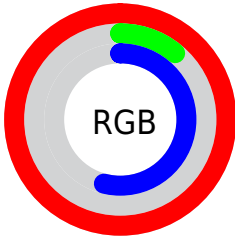
Format	Color
R_{YB}	255, 28, 138
Decimal	16718986
CIE Lab	56.01, 82.85, -0.28
CIE LCh	56, 82.852, 359.808
Yxy	23.9255, 0.4797, 0.2482
Android (android.graphics.Color)	4294909066 (0xFFFF1C8A)
YUV	108.4130, 14.5864, 128.5568
Hunter-Lab	48.9137, 83.1538, 2.4506

Details

The XYZ color **46.2427, 23.9255, 26.2256** 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 **41.3528, 73.8124, 38.8679**, and the grayscale version is **14.3149, 15.0604, 16.4008**.

A 20% lighter version of the original color is **55.9017, 35.5370, 53.2032**, and **23.4997, 11.9110, 10.2930** is the 20% darker color. If you saturate the color by 10%, you get **44.9598, 22.7919, 21.3833**, and if you desaturate by 10%, it is **48.1350, 26.0939, 31.8397**.

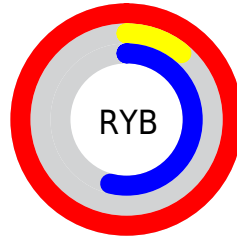
Distribution



Red (100%)

Green (11%)

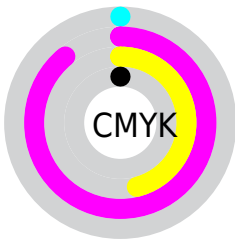
Blue (54%)



Red (100%)

Yellow (11%)

Blue (54%)

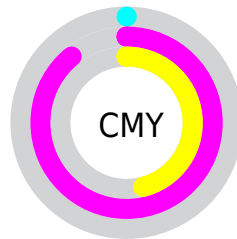


Cyan (0%)

Magenta (89%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (89%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2427, 23.9255, 26.2256 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 46.2427, 23.9255, 26.2256 by changing the saturation by 10% instead.


 46.2427, 23.9255,
26.2256


 46.2427, 23.9255,
26.2256


362.4831,
272.4436, 297.5284


 32.6428, 15.2784,
16.7652


 83.8077, 49.9086,
54.6272


 22.0109, 9.0150,
9.9071


 108.5036, 68.0134,
74.4055


 13.9815, 4.7510,
5.2326


 137.6289, 90.0394,
98.4602

 8.1894, 2.1019,
2.3232

 171.5488,
116.3712, 127.2098

 4.2692, 0.6657,
0.7442

 210.6289,
147.3932, 161.0729

 1.8555, 0.0000,
0.0000

255.2344,

 0.5508, 0.0000,

183.4896, 200.4680

0.0000

305.7307,
225.0450, 245.8137

■ 0.0000, 0.0000,
0.0000

■ 46.2427, 23.9255,
26.2256

■ 46.2427, 23.9255,
26.2256

■ 44.9598, 22.7919,
21.3833

■ 48.1350, 26.0939,
31.8397

■ 44.8496, 22.7038,
20.9387

■ 50.7652, 29.5472,
38.2871

■ 54.2230, 34.4594,
45.6161

■ 58.5844, 40.9765,
53.8697

■ 63.9158, 49.2261,
63.0867

70.2774, 59.3231,
73.3033

77.7241, 71.3724,
84.5534

86.3068, 85.4710,
96.8690

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.



42.3903, 23.9255, 62.0624



46.2427, 23.9255, 26.2256



42.4826, 23.9255, 7.7752

Triad

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



46.2427, 23.9255, 26.2256



14.8364, 23.9255, 1.9438



14.7572, 23.9255, 102.1246

Complementary

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



46.2427, 23.9255, 26.2256



41.3528, 73.8124, 38.8679

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.



10.3171, 23.9255, 61.5252



46.2427, 23.9255, 26.2256



10.3531, 23.9255, 7.6411

Square

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



46.2427, 23.9255, 26.2256



22.8014, 23.9255, 0.9594



8.9590, 23.9255, 25.8768



22.6796, 23.9255, 120.7411

Rectangle

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



46.2427, 23.9255, 26.2256



36.6324, 23.9255, 3.0697



8.9590, 23.9255, 25.8768



12.8970, 23.9255, 89.6453

Sweetspot

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



46.2433, 23.9269, 26.2260



71.6838, 61.5824, 75.4780



29.5383, 13.7599, 95.7066



14.8370, 12.3688, 15.3691



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.



46.2433, 23.9269, 26.2260



44.8498, 22.7039, 20.9387



41.8658, 22.1759, 3.1743



18.3761, 18.1337, 20.5975



23.5097, 11.8932, 11.3344



2.3440, 1.1800, 1.3928

Inverse Universe

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



46.2433, 23.9269, 26.2260



44.8498, 22.7039, 20.9387



54.2896, 78.9871, 106.9922



18.3761, 18.1337, 20.5975



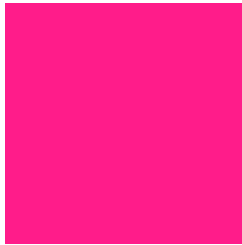
23.5097, 11.8932, 11.3344



2.3440, 1.1800, 1.3928

Previews

White Background



This preview shows how the XYZ color 46.2427, 23.9255, 26.2256 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 46.2427, 23.9255, 26.2256 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 46.2427, 23.9255, 26.2256

Background



This preview shows how black text looks on a background with the XYZ color 46.2427, 23.9255, 26.2256.



This preview shows how white text looks on a background with the XYZ color 46.2427, 23.9255,

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

46.2427, 23.9255, 26.2256

Protanopia

25.1773, 24.2926, 54.9917

Deuteranopia

24.3911, 23.9816, 23.4220



Tritanopia

42.1899, 23.9741, 6.8187

Trichromacy



Original Color

46.2427, 23.9255, 26.2256



Protanomaly

27.2492, 19.2397, 42.3218



Deuteranomaly

28.7501, 20.1588, 23.8485



Tritanomaly

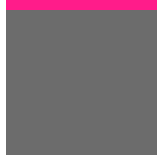
43.0050, 23.5306, 11.7264

Monochromacy



Original Color

46.2427, 23.9255, 26.2256



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.8237, 14.5009, 19.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2427, 23.9255, 26.2256 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, 28, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 138)  
}
```

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, 28, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 138) }
```

Border

The CSS property to change the border of an element to XYZ 46.2427, 23.9255, 26.2256 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, 28, 138) }
```


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

```
.border{ border-color:rgb(255, 28, 138) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2427, 23.9255, 26.2256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 138) }
```

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

```
.background{ background-color: rgb(255, 28,  
138) }
```

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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