

Converting Colors

XYZ(46.8253, 25.1030, 26.3817)

Have a look what the booklet for
XYZ(46.8253, 25.1030, 26.3817)
contains.

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Color

**XYZ(46.8440, 25.1280,
26.4260)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2F8A
RGB	255, 47, 138
RGB Percent	100%, 18%, 54%
CMY	0.0000, 0.8156, 0.4588
CMYK	0.00, 0.82, 0.46, 0.00
HSL	334°, 100%, 59%
HSV	334°, 82%, 100%
XYZ	46.8440, 25.1280, 26.4260
YIQ	119.5660, 94.7570, 72.3970

Conversions

Conversions Part 2

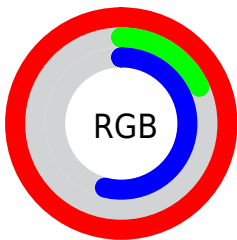
Format	Color
R_{YB}	255, 47, 138
Decimal	16723850
CIE _{Lab}	57.20, 79.43, 1.45
CIE _{LCh}	57, 79.446, 1.048
Yxy	25.1280, 0.4761, 0.2554
Android (android.graphics.Color)	4294913930 (0xFFFF2F8A)
YUV	119.5660, 9.0880, 118.7756
Hunter-Lab	50.1278, 79.0829, 3.8334

Details

The XYZ color **46.8440, 25.1280, 26.4260** 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 **43.6355, 74.8057, 47.2694**, and the grayscale version is **17.6677, 18.5878, 20.2421**.

A 20% lighter version of the original color is **56.8894, 37.5124, 53.5324**, and **23.4997, 11.9110, 10.2930** is the 20% darker color. If you saturate the color by 10%, you get **45.1341, 23.2621, 21.0660**, and if you desaturate by 10%, it is **49.2868, 28.2403, 32.7075**.

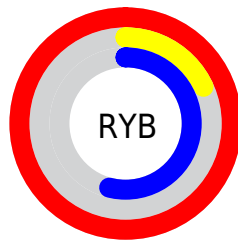
Distribution



Red (100%)

Green (18%)

Blue (54%)



Red (100%)

Yellow (18%)

Blue (54%)

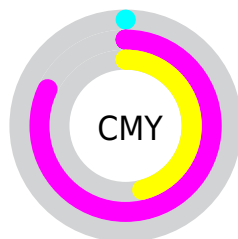


Cyan (0%)

Magenta (82%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8440, 25.1280, 26.4260 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 46.8440, 25.1280, 26.4260 by changing the saturation by 10% instead.

 46.8440, 25.1280,
26.4260


 46.8440, 25.1280,
26.4260


364.8508,
278.4748, 298.5388

 33.1198, 16.1724,
16.9140


 84.7009, 51.8648,
54.9539


 22.3779, 9.6463,
10.0119


 109.5642, 70.4148,
74.8068


 14.2530, 5.1651,
5.3011


 138.8714, 92.9318,
98.9439

 8.3797, 2.3444,
2.3632

 172.9876,
119.8001, 127.7835

 4.3927, 0.7971,
0.7663

 212.2783,
151.4042, 161.7443

 1.9266, 0.0000,
0.0000

257.1088,

 0.5922, 0.0000,

188.1284, 201.2447

0.0000

307.8446,
230.3571, 246.7034

■ 0.0000, 0.0000,
0.0000

■ 46.8440, 25.1280,
26.4260

■ 46.8440, 25.1280,
26.4260

■ 45.1341, 23.2621,
21.0660

■ 49.2868, 28.2403,
32.7075


■ 44.1396, 22.4198,
17.1994


■ 52.5558, 32.7773,
39.9659


■ 56.7315, 38.8924,
48.2519

■ 61.8836, 46.7179,
57.6113

■ 68.0749, 56.3721,
68.0863

 75.3625, 67.9625,
79.7169

 83.7991, 81.5884,
92.5404

 93.4342, 97.3422,
106.5925

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



43.4037, 25.1280, 60.7677



46.8440, 25.1280, 26.4260



42.9142, 25.1280, 8.4271

Triad

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



46.8440, 25.1280, 26.4260



15.7346, 25.1280, 2.6752



16.1713, 25.1280, 102.0477

Complementary

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



46.8440, 25.1280, 26.4260



43.6355, 74.8057, 47.2694

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.



11.5214, 25.1280, 63.5967



46.8440, 25.1280, 26.4260



11.3196, 25.1280, 9.1958

Square

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



46.8440, 25.1280, 26.4260



23.5550, 25.1280, 1.3928



10.0053, 25.1280, 28.3160



24.2149, 25.1280, 118.3560

Rectangle

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



46.8440, 25.1280, 26.4260



37.1156, 25.1280, 3.6392



10.0053, 25.1280, 28.3160



14.2421, 25.1280, 90.4218

Sweetspot

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



46.8447, 25.1294, 26.4264



73.4815, 64.9523, 76.7723



33.8475, 16.8740, 96.0807



15.1657, 13.0070, 15.5385



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.



46.8447, 25.1294, 26.4264



44.3566, 22.5952, 18.0685



43.2373, 24.4330, 5.1284



18.3394, 18.1191, 20.4044



23.1358, 11.7436, 9.3658



2.3064, 1.1649, 1.1949

Inverse Universe

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



46.8447, 25.1294, 26.4264



44.3566, 22.5952, 18.0685



51.7549, 72.8883, 105.9487



18.3394, 18.1191, 20.4044



23.1358, 11.7436, 9.3658



2.3064, 1.1649, 1.1949

Previews

White Background



This preview shows how the XYZ color 46.8440, 25.1280, 26.4260 looks on a white background.

Color Contrast Check

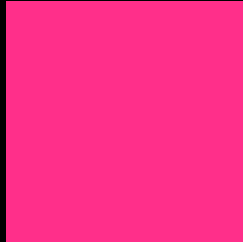
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8440, 25.1280, 26.4260 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 46.8440, 25.1280, 26.4260

Background



This preview shows how black text looks on a background with the XYZ color 46.8440, 25.1280, 26.4260.



This preview shows how white text looks on a background with the XYZ color 46.8440, 25.1280,

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

46.8440, 25.1280, 26.4260

Protanopia

26.0155, 25.4200, 51.6795

Deuteranopia

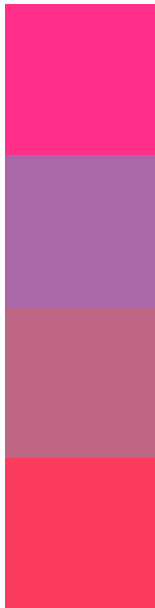
25.6102, 25.2036, 23.9370



Tritanopia

42.9881, 25.0984, 8.5400

Trichromacy



Original Color

46.8440, 25.1280, 26.4260

Protanomaly

28.7836, 21.3490, 40.6339

Deuteranomaly

30.4021, 22.2451, 24.5212

Tritanomaly

43.8263, 24.7534, 13.2945

Monochromacy



Original Color

46.8440, 25.1280, 26.4260

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

24.1073, 17.7960, 22.2431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8440, 25.1280, 26.4260 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, 47, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 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, 47, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 138) }
```

Border

The CSS property to change the border of an element to XYZ 46.8440, 25.1280, 26.4260 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, 47, 138) }
```


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

```
.border{ border-color:rgb(255, 47, 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, 47, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8440, 25.1280, 26.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 138) }
```

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

```
.background{ background-color: rgb(255, 47,  
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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