

Converting Colors

XYZ(61.0191, 32.3367, 25.0910)

Have a look what the booklet for
XYZ(61.0191, 32.3367, 25.0910)
contains.

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Color

**XYZ(46.4120, 24.8302,
24.5368)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2D85
RGB	255, 45, 133
RGB Percent	100%, 18%, 52%
CMY	0.0000, 0.8235, 0.4784
CMYK	0.00, 0.82, 0.48, 0.00
HSL	335°, 100%, 59%
HSV	335°, 82%, 100%
XYZ	46.4120, 24.8302, 24.5368
YIQ	117.8220, 96.9120, 71.8880

Conversions

Conversions Part 2

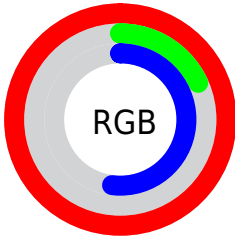
Format	Color
R_{YB}	255, 45, 133
Decimal	16723333
CIE _{Lab}	56.91, 79.47, 4.00
CIE _{LCh}	57, 79.567, 2.881
Yxy	24.8302, 0.4846, 0.2592
Android (android.graphics.Color)	4294913413 (0xFFFF2D85)
YUV	117.8220, 7.4828, 120.3051
Hunter-Lab	49.8299, 79.0541, 5.6859

Details

The XYZ color **46.4120, 24.8302, 24.5368** 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 **43.8197, 74.8688, 48.7098**, and the grayscale version is **17.1232, 18.0149, 19.6183**.

A 20% lighter version of the original color is **56.2337, 37.0666, 50.6451**, and **23.3385, 11.8466, 9.4440** is the 20% darker color. If you saturate the color by 10%, you get **44.7626, 23.0559, 19.2881**, and if you desaturate by 10%, it is **48.7934, 27.8378, 30.7422**.

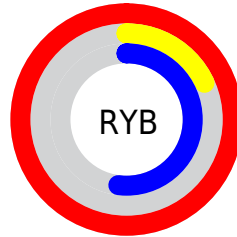
Distribution



Red (100%)

Green (18%)

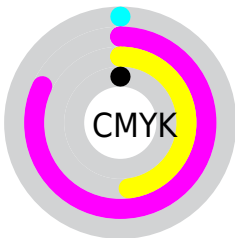
Blue (52%)



Red (100%)

Yellow (18%)

Blue (52%)

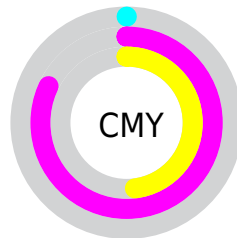


Cyan (0%)

Magenta (82%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4120, 24.8302, 24.5368 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 46.4120, 24.8302, 24.5368 by changing the saturation by 10% instead.


 46.4120, 24.8302,
24.5368


 46.4120, 24.8302,
24.5368


363.1508,
276.9913, 288.8967


 32.7771, 15.9506,
15.5164


 84.0594, 51.3816,
51.8595


 22.1141, 9.4892,
9.0320


 108.8025, 69.8222,
70.9990


 14.0579, 5.0616,
4.6650


 137.9790, 92.2186,
94.3485

 8.2429, 2.2835,
1.9968

 171.9544,
118.9552, 122.3267

 4.3039, 0.7649,
0.5533

 211.0939,
150.4164, 155.3521

 1.8754, 0.0000,
0.0000

255.7629,

 0.5625, 0.0000,

186.9865, 193.8432

0.0000

306.3267,
229.0500, 238.2185

■ 0.0000, 0.0000,
0.0000

■ 46.4120, 24.8302,
24.5368

■ 46.4120, 24.8302,
24.5368

■ 44.7626, 23.0559,
19.2881

■ 48.7934, 27.8378,
30.7422

■ 43.8855, 22.3182,
15.8617

■ 52.0024, 32.2603,
37.9635

■ 56.1210, 38.2534,
46.2547

■ 61.2201, 45.9507,
55.6646

■ 67.3634, 55.4718,
66.2383

74.6089, 66.9251,
78.0181

83.0101, 80.4105,
91.0440

92.6169, 96.0212,
105.3537

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.



43.4208, 24.8302, 57.8393



46.4120, 24.8302, 24.5368



42.0821, 24.8302, 7.6451

Triad

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



46.4120, 24.8302, 24.5368



15.1450, 24.8302, 2.7791



16.3359, 24.8302, 103.3066

Complementary

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



46.4120, 24.8302, 24.5368



43.8197, 74.8688, 48.7098

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.



11.5203, 24.8302, 65.5813



46.4120, 24.8302, 24.5368



10.9708, 24.8302, 9.7367

Square

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



46.4120, 24.8302, 24.5368



22.7108, 24.8302, 1.3456



9.8428, 24.8302, 29.6991



24.5128, 24.8302, 117.5515

Rectangle

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



46.4120, 24.8302, 24.5368



36.1550, 24.8302, 3.2848



9.8428, 24.8302, 29.6991



14.3513, 24.8302, 92.1086

Sweetspot

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



46.4127, 24.8316, 24.5372



72.5752, 63.6907, 74.7713



34.3006, 16.9916, 96.0793



14.9843, 12.7626, 15.1129



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.



46.4127, 24.8316, 24.5372



43.9918, 22.4050, 16.2844



43.2788, 24.5793, 4.9478



18.3251, 18.1133, 20.3290



23.0017, 11.6900, 8.6593



2.2926, 1.1594, 1.1224

Inverse Universe

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



46.4127, 24.8316, 24.5372



43.9918, 22.4050, 16.2844



50.5886, 70.6895, 105.5856



18.3251, 18.1133, 20.3290



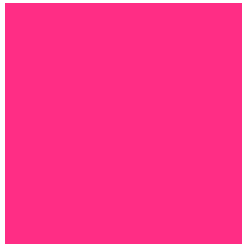
23.0017, 11.6900, 8.6593



2.2926, 1.1594, 1.1224

Previews

White Background



This preview shows how the XYZ color 46.4120, 24.8302, 24.5368 looks on a white background.

Color Contrast Check

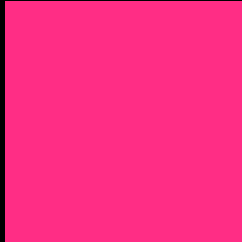
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4120, 24.8302, 24.5368 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 46.4120, 24.8302, 24.5368

Background



This preview shows how black text looks on a background with the XYZ color 46.4120, 24.8302, 24.5368.



This preview shows how white text looks on a background with the XYZ color 46.4120, 24.8302,

24.5368.

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

46.4120, 24.8302, 24.5368

Protanopia

25.3796, 24.9578, 48.2794

Deuteranopia

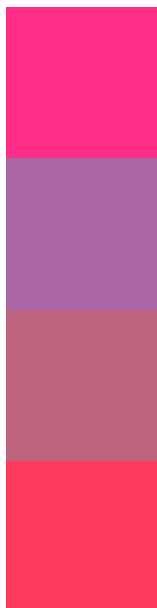
25.3440, 24.9012, 22.2095



Tritanopia

43.0786, 24.8934, 8.0033

Trichromacy



Original Color

46.4120, 24.8302, 24.5368

Protanomaly

28.3375, 20.8773, 38.1335

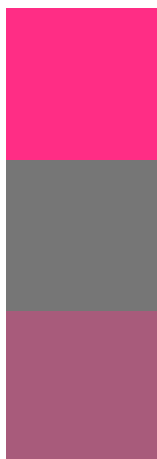
Deuteranomaly

29.8738, 21.7230, 22.6971

Tritanomaly

43.9528, 24.6815, 12.5726

Monochromacy



Original Color

46.4120, 24.8302, 24.5368

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

23.4647, 17.2371, 20.8293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4120, 24.8302, 24.5368 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, 45, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 133)  
}
```

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, 45, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 133) }
```

Border

The CSS property to change the border of an element to XYZ 46.4120, 24.8302, 24.5368 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, 45, 133) }
```


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

```
.border{ border-color:rgb(255, 45, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 45, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4120, 24.8302, 24.5368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 133) }
```

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

```
.background{ background-color: rgb(255, 45,  
133) }
```

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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