

Converting Colors

XYZ(46.9368, 25.8797, 24.7117)

Have a look what the booklet for
XYZ(46.9368, 25.8797, 24.7117)
contains.

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Color

**XYZ(46.9368, 25.8797,
24.7117)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3985
RGB	255, 57, 133
RGB Percent	100%, 22%, 52%
CMY	0.0000, 0.7764, 0.4784
CMYK	0.00, 0.78, 0.48, 0.00
HSL	337°, 100%, 61%
HSV	337°, 78%, 100%
XYZ	46.9368, 25.8797, 24.7117
YIQ	124.8660, 93.6120, 65.6120

Conversions

Conversions Part 2

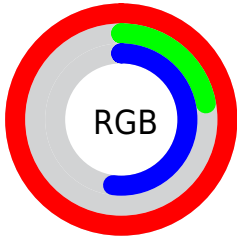
Format	Color
R_{YB}	255, 57, 133
Decimal	16726405
CIE _{Lab}	57.92, 76.58, 5.46
CIE _{LCh}	58, 76.772, 4.076
Yxy	25.8797, 0.4813, 0.2654
Android (android.graphics.Color)	4294916485 (0xFFFF3985)
YUV	124.8660, 4.0101, 114.1275
Hunter-Lab	50.8721, 75.6657, 6.8097

Details

The XYZ color **46.9368, 25.8797, 24.7117** 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 **45.5863, 75.6455, 54.8540**, and the grayscale version is **19.4151, 20.4262, 22.2441**.

A 20% lighter version of the original color is **57.0625, 38.7242, 50.9214**, and **23.3385, 11.8466, 9.4440** is the 20% darker color. If you saturate the color by 10%, you get **44.9713, 23.5582, 19.0952**, and if you desaturate by 10%, it is **49.6982, 29.5333, 31.3951**.

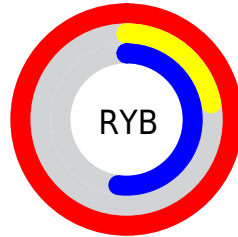
Distribution



Red (100%)

Green (22%)

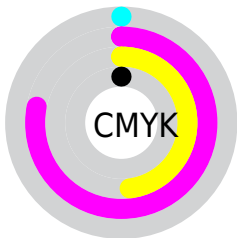
Blue (52%)



Red (100%)

Yellow (22%)

Blue (52%)

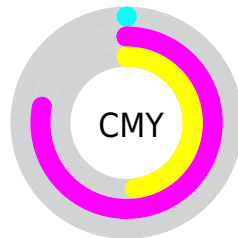


Cyan (0%)

Magenta (78%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9368, 25.8797, 24.7117 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 46.9368, 25.8797, 24.7117 by changing the saturation by 10% instead.


 46.9368, 25.8797,
24.7117

 46.9368, 25.8797,
24.7117

365.2153,
282.1910, 289.8007


 33.1934, 16.7337,
15.6453

 84.8386, 53.0808,
52.1474


 22.4346, 10.0448,
9.1219


 109.7277, 71.9047,
71.3539


 14.2950, 5.4287,
4.7229


 139.0628, 94.7233,
94.7774

 8.4092, 2.5009,
2.0297

 173.2093,
121.9210, 122.8366

 4.4119, 0.8771,
0.5735

 212.5324,
153.8822, 155.9500

 1.9377, 0.0000,
0.0000

257.3975,

 0.5986, 0.0000,

190.9914, 194.5361

0.0000

308.1701,
233.6329, 239.0135

■ 0.0000, 0.0000,
0.0000

■ 46.9368, 25.8797,
24.7117

■ 46.9368, 25.8797,
24.7117

■ 44.9713, 23.5582,
19.0952

■ 49.6982, 29.5333,
31.3951

■ 43.6824, 22.3414,
14.4698

■ 53.3436, 34.6841,
39.2076

■ 43.4383, 22.1393,
13.5063

■ 57.9507, 41.4774,
48.2065

■ 63.5878, 50.0403,
58.4444

■ 70.3167, 60.4870,
69.9702

78.1941, 72.9221,
82.8299

87.2726, 87.4426,
97.0670

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.



44.3044, 25.8797, 56.8167



46.9368, 25.8797, 24.7117



42.4596, 25.8797, 8.1937

Triad

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



46.9368, 25.8797, 24.7117



15.9201, 25.8797, 3.5450



17.6149, 25.8797, 103.2664

Complementary

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



46.9368, 25.8797, 24.7117



45.5863, 75.6455, 54.8540

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.



12.6144, 25.8797, 67.4217



46.9368, 25.8797, 24.7117



11.8218, 25.8797, 11.2649

Square

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



46.9368, 25.8797, 24.7117



23.3555, 25.8797, 1.7922



10.7837, 25.8797, 31.9555



25.8835, 25.8797, 115.6003

Rectangle

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



46.9368, 25.8797, 24.7117



36.5737, 25.8797, 3.7867



10.7837, 25.8797, 31.9555



15.5713, 25.8797, 92.7990

Sweetspot

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



46.9375, 25.8812, 24.7121



73.8267, 66.0050, 75.7700



37.3745, 19.3552, 96.3737



15.2126, 13.2005, 15.2463



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.



46.9375, 25.8812, 24.7121



44.2070, 22.7890, 16.4991



44.6197, 26.8372, 6.7013



18.2979, 18.1025, 20.1858



22.7647, 11.5952, 7.4114



2.2679, 1.1495, 0.9922

Inverse Universe

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



46.9375, 25.8812, 24.7121



44.2070, 22.7890, 16.4991



49.5042, 67.6223, 105.0509



18.2979, 18.1025, 20.1858



22.7647, 11.5952, 7.4114



2.2679, 1.1495, 0.9922

Previews

White Background



This preview shows how the XYZ color 46.9368, 25.8797, 24.7117 looks on a white background.

Color Contrast Check

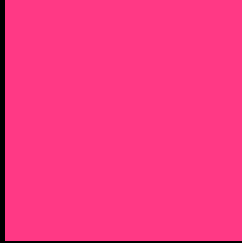
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9368, 25.8797, 24.7117 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 46.9368, 25.8797, 24.7117

Background



This preview shows how black text looks on a background with the XYZ color 46.9368, 25.8797, 24.7117.



This preview shows how white text looks on a background with the XYZ color 46.9368, 25.8797,

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

46.9368, 25.8797, 24.7117

Protanopia

26.2784, 26.0988, 46.3004

Deuteranopia

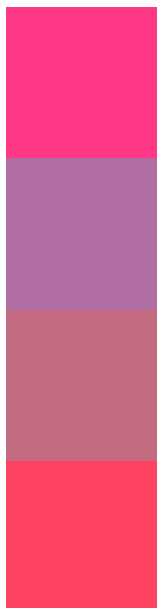
26.3983, 25.8512, 22.3373



Tritanopia

43.7668, 25.8520, 9.5206

Trichromacy



Original Color

46.9368, 25.8797, 24.7117

Protanomaly

29.6694, 22.6599, 36.9925

Deuteranomaly

31.2329, 23.3097, 22.9317

Tritanomaly

44.6728, 25.7600, 13.9269

Monochromacy



Original Color

46.9368, 25.8797, 24.7117

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

25.4667, 19.4435, 22.8328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9368, 25.8797, 24.7117 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, 57, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 57, 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, 57, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 57, 133) }
```

Border

The CSS property to change the border of an element to XYZ 46.9368, 25.8797, 24.7117 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, 57, 133) }
```


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

```
.border{ border-color:rgb(255, 57, 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, 57, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 57, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 57, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 57,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9368, 25.8797, 24.7117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 57, 133) }
```

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

```
.background{ background-color: rgb(255, 57,  
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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