

Converting Colors

XYZ(48.5746, 25.3157, 37.0951)

Have a look what the booklet for
XYZ(48.5746, 25.3157, 37.0951)
contains.

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Color

**XYZ(48.5440, 25.2906,
36.9733)**

Conversions

Conversions Part 1

Format	Color
Hex	FF26A3
RGB	255, 38, 163
RGB Percent	100%, 15%, 64%
CMY	0.0000, 0.8509, 0.3608
CMYK	0.00, 0.85, 0.36, 0.00
HSL	325°, 100%, 57%
HSV	325°, 85%, 100%
XYZ	48.5440, 25.2906, 36.9733
YIQ	117.1330, 89.2070, 84.8790

Conversions

Conversions Part 2

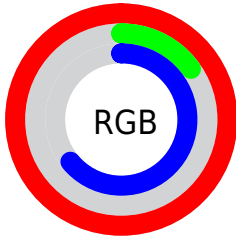
Format	Color
R _Y B	255, 38, 163
Decimal	16721571
CIE Lab	57.36, 83.47, -13.05
CIE LCh	57, 84.489, 351.112
Yxy	25.2906, 0.4381, 0.2282
Android (android.graphics.Color)	4294911651 (0xFFFF26A3)
YUV	117.1330, 22.6124, 120.9094
Hunter-Lab	50.2898, 84.2965, -8.3875

Details

The XYZ color **48.5440, 25.2906, 36.9733** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **40.5909, 73.5448, 33.1830**, and the grayscale version is **16.8659, 17.7443, 19.3235**.

A 20% lighter version of the original color is **59.6891, 37.9103, 70.5011**, and **24.8616, 12.4852, 16.1385** is the 20% darker color. If you saturate the color by 10%, you get **47.0608, 23.8090, 31.9018**, and if you desaturate by 10%, it is **50.6683, 27.9218, 42.6675**.

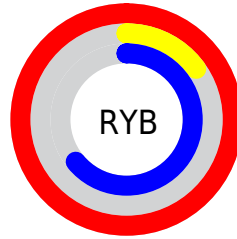
Distribution



Red (100%)

Green (15%)

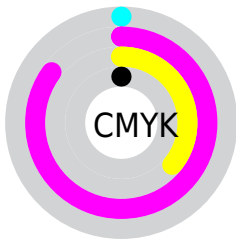
Blue (64%)



Red (100%)

Yellow (15%)

Blue (64%)

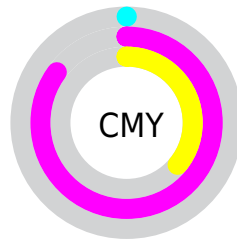


Cyan (0%)

Magenta (85%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5440, 25.2906, 36.9733 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 48.5440, 25.2906, 36.9733 by changing the saturation by 10% instead.

 48.5440, 25.2906,
36.9733


 48.5440, 25.2906,
36.9733

371.4912,
279.2821, 348.3601


 34.4709, 16.2937,
24.8912


 87.2186, 52.1283,
71.7176


 23.4202, 9.7322,
15.7777


 112.5509, 70.7378,
95.2168


 15.0265, 5.2218,
9.2144


 142.3669, 93.3204,
123.3589

 8.9244, 2.3780,
4.7825

 177.0321,
120.2603, 156.5623

 4.7486, 0.8145,
2.0637

 216.9117,
151.9421, 195.2456

 2.1338, 0.0000,
0.5941

262.3712,

 0.7075, 0.0000,

188.7500, 239.8273

0.0000

313.7759,
231.0686, 290.7260

■ 0.0000, 0.0000,
0.0000

■ 48.5440, 25.2906,
36.9733

■ 48.5440, 25.2906,
36.9733

■ 47.0608, 23.8090,
31.9018

■ 50.6683, 27.9218,
42.6675

■ 46.4969, 23.3628,
29.6127

■ 53.5316, 31.8954,
49.0264

■ 57.2162, 37.3727,
56.0870

■ 61.7922, 44.4910,
63.8819

■ 67.3218, 53.3719,
72.4408

73.8616, 64.1257,
81.7910

81.4634, 76.8531,
91.9583

90.1753, 91.6481,
102.9669

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.



42.3725, 25.2906, 78.7427



48.5440, 25.2906, 36.9733



46.8668, 25.2906, 12.0587

Triad

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



48.5440, 25.2906, 36.9733



17.7438, 25.2906, 1.4735



13.8567, 25.2906, 96.6990

Complementary

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



48.5440, 25.2906, 36.9733



40.5909, 73.5448, 33.1830

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.



10.1707, 25.2906, 52.5815



48.5440, 25.2906, 36.9733



11.9425, 25.2906, 5.3902

Square

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



48.5440, 25.2906, 36.9733



27.1396, 25.2906, 1.0824



9.5838, 25.2906, 19.8609



21.1821, 25.2906, 125.9614

Rectangle

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



48.5440, 25.2906, 36.9733



41.6746, 25.2906, 4.8556



9.5838, 25.2906, 19.8609



12.2467, 25.2906, 82.0961

Sweetspot

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



48.5447, 25.2920, 36.9737



73.2229, 63.0661, 80.9061



27.7107, 13.2302, 95.7009



15.1697, 12.6679, 16.6099



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.



48.5447, 25.2920, 36.9737



46.4969, 23.3628, 29.6127



42.6502, 22.9342, 5.9335



18.4480, 18.1625, 20.9763



24.3719, 12.2381, 15.8749



2.4277, 1.2134, 1.8335

Inverse Universe

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



48.5447, 25.2920, 36.9737



46.4969, 23.3628, 29.6127



51.8343, 78.0422, 92.3900



18.4480, 18.1625, 20.9763



24.3719, 12.2381, 15.8749



2.4277, 1.2134, 1.8335

Previews

White Background



This preview shows how the XYZ color 48.5440, 25.2906, 36.9733 looks on a white background.

Color Contrast Check

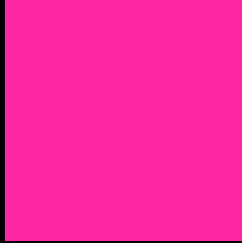
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5440, 25.2906, 36.9733 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 48.5440, 25.2906, 36.9733

Background



This preview shows how black text looks on a background with the XYZ color 48.5440, 25.2906, 36.9733.



This preview shows how white text looks on a background with the XYZ color 48.5440, 25.2906,

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

48.5440, 25.2906, 36.9733

Protanopia

27.8709, 25.6437, 75.4323

Deuteranopia

25.8696, 25.3369, 33.2328



Tritanopia

42.6543, 25.2825, 9.2885

Trichromacy



Original Color

48.5440, 25.2906, 36.9733



Protanomaly

29.4372, 20.6952, 58.9430



Deuteranomaly

30.4702, 21.6383, 34.0231



Tritanomaly

44.0534, 24.8025, 16.3754

Monochromacy



Original Color

48.5440, 25.2906, 36.9733



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

23.7291, 16.9162, 24.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5440, 25.2906, 36.9733 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, 38, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 163)  
}
```

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, 38, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 163) }
```

Border

The CSS property to change the border of an element to XYZ 48.5440, 25.2906, 36.9733 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, 38, 163) }
```


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

```
.border{ border-color:rgb(255, 38, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5440, 25.2906, 36.9733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 163) }
```

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

```
.background{ background-color: rgb(255, 38,  
163) }
```

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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