

Converting Colors

XYZ(77.0713, 40.1460, 34.7750)

Have a look what the booklet for
XYZ(77.0713, 40.1460, 34.7750)
contains.

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Color

**XYZ(47.8819, 25.0776,
33.3271)**

Conversions

Conversions Part 1	
Format	Color
Hex	FF279B
RGB	255, 39, 155
RGB Percent	100%, 15%, 61%
CMY	0.0000, 0.8470, 0.3922
CMYK	0.00, 0.85, 0.39, 0.00
HSL	328°, 100%, 58%
HSV	328°, 85%, 100%
XYZ	47.8819, 25.0776, 33.3271
YIQ	116.8080, 91.5000, 81.8680

Conversions

Conversions Part 2

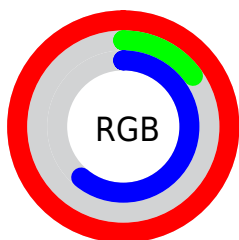
Format	Color
RYB	255, 39, 155
Decimal	16721819
CIELab	57.15, 82.54, -8.66
CIELCh	57, 82.993, 354.008
Yxy	25.0776, 0.4505, 0.2359
Android (android.graphics.Color)	4294911899 (0xFFFF279B)
YUV	116.8080, 18.8287, 121.1944
Hunter-Lab	50.0775, 83.0380, -4.4038

Details

The XYZ color **47.8819, 25.0776, 33.3271** 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 **41.2593, 73.8164, 36.5077**, and the grayscale version is **16.7763, 17.6500, 19.2208**.

A 20% lighter version of the original color is **58.5428, 37.4518, 64.4650**, and **24.2369, 12.2059, 14.1753** is the 20% darker color. If you saturate the color by 10%, you get **46.3633, 23.5504, 28.1656**, and if you desaturate by 10%, it is **50.0601, 27.7688, 39.1872**.

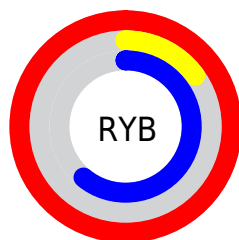
Distribution



Red (100%)

Green (15%)

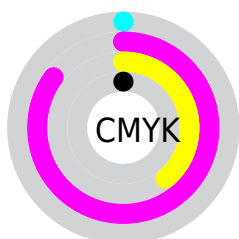
Blue (61%)



Red (100%)

Yellow (15%)

Blue (61%)

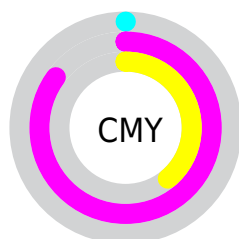


Cyan (0%)

Magenta (85%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (85%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8819, 25.0776, 33.3271 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 47.8819, 25.0776, 33.3271 by changing the saturation by 10% instead.

 47.8819, 25.0776, 33.3271	 47.8819, 25.0776, 33.3271
--	--

368.9142, 278.2242, 331.7982	 33.9442, 16.1349, 22.1040
---------------------------------	--

 86.2393, 51.7831, 66.0078	 23.0134, 9.6196, 13.7343
--	---

 111.3897, 70.3146, 88.3024	 14.7242, 5.1475, 7.7994
---	--

 141.0085, 92.8113, 115.1246	 8.7111, 2.3341, 3.8810
--	---

 175.4609, 119.6573, 146.8929	 4.6088, 0.7917, 1.5603
---	---


 215.1123, 151.2373, 184.0259	 2.0520, 0.0000, 0.2622
---	---


260.3281,	 0.6629, 0.0000,
-----------	---


187.9355, 226.9421


0.0000


311.4736,
230.1363, 276.0600


 0.0000, 0.0000,
0.0000


 47.8819, 25.0776,
33.3271


 47.8819, 25.0776,
33.3271

 46.3633, 23.5504,
28.1656


 50.0601, 27.7688,
39.1872

 45.7505, 23.0642,
25.6822

 52.9956, 31.8151,
45.7910

 56.7707, 37.3769,
53.1788

 61.4556, 44.5912,
61.3861

 67.1131, 53.5793,
70.4456

73.8000, 64.4511,
80.3874

81.5683, 77.3074,
91.2402

90.4669, 92.2421,
103.0306

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.



42.5375, 25.0776, 72.8112



47.8819, 25.0776, 33.3271



45.4940, 25.0776, 10.7214

Triad

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



47.8819, 25.0776, 33.3271



16.9684, 25.0776, 1.7331



14.3974, 25.0776, 98.2604

Complementary

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



47.8819, 25.0776, 33.3271



41.2593, 73.8164, 36.5077

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.



10.4450, 25.0776, 55.6330



47.8819, 25.0776, 33.3271



11.6199, 25.0776, 6.2988

Square

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



47.8819, 25.0776, 33.3271



25.8546, 25.0776, 1.1267



9.5893, 25.0776, 22.0563



21.9244, 25.0776, 123.6515

Rectangle

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



47.8819, 25.0776, 33.3271



40.0971, 25.0776, 4.3673



9.5893, 25.0776, 22.0563



12.6994, 25.0776, 84.4861

Sweetspot

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



47.8826, 25.0790, 33.3275



73.5820, 64.0934, 80.0733



28.9640, 13.9245, 95.7688



15.2233, 12.8582, 16.3715



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.



47.8826, 25.0790, 33.3275



45.7505, 23.0642, 25.6822



42.5381, 22.9412, 5.1835



18.4172, 18.1502, 20.8142



23.9819, 12.0821, 13.8212



2.3902, 1.1985, 1.6364

Inverse Universe

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



47.8826, 25.0790, 33.3275



45.7505, 23.0642, 25.6822



52.9572, 78.4956, 98.1081



18.4172, 18.1502, 20.8142



23.9819, 12.0821, 13.8212



2.3902, 1.1985, 1.6364

Previews

White Background



This preview shows how the XYZ color 47.8819, 25.0776, 33.3271 looks on a white background.

Color Contrast Check

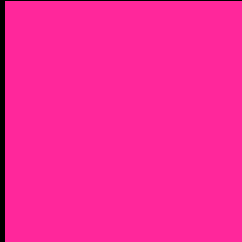
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.8819, 25.0776, 33.3271 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 47.8819, 25.0776, 33.3271

Background



This preview shows how black text looks on a background with the XYZ color 47.8819, 25.0776, 33.3271.



This preview shows how white text looks on a background with the XYZ color 47.8819, 25.0776,

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

47.8819, 25.0776, 33.3271

Protanopia

27.1141, 25.4224, 67.7679

Deuteranopia

25.6343, 25.0846, 29.8763



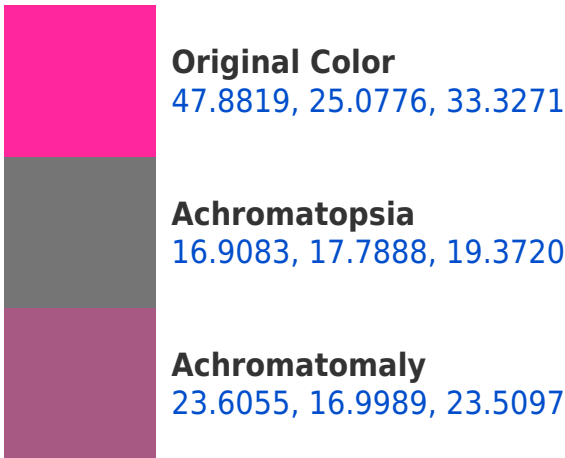
Tritanopia

42.7222, 25.0481, 8.7140

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8819, 25.0776, 33.3271 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, 39, 155) looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 155)  
}
```

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, 39, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.8819, 25.0776, 33.3271 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, 39, 155) }
```

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

```
.border{ border-color:rgb(255, 39, 155) }
```

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

Here you see how a box with a 4 pixel rgb(255, 39, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8819, 25.0776, 33.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 39, 155) }
```

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

```
.background{ background-color: rgb(255, 39,  
155) }
```

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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