

Converting Colors

XYZ(47.8068, 24.8817, 33.4431)

Have a look what the booklet for
XYZ(47.8068, 24.8817, 33.4431)
contains.

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Color

**XYZ(47.7873, 24.8883,
33.2956)**

Conversions

Conversions Part 1

Format	Color
Hex	FF249B
RGB	255, 36, 155
RGB Percent	100%, 14%, 61%
CMY	0.0000, 0.8587, 0.3922
CMYK	0.00, 0.86, 0.39, 0.00
HSL	327°, 100%, 57%
HSV	327°, 86%, 100%
XYZ	47.7873, 24.8883, 33.2956
YIQ	115.0470, 92.3250, 83.4370

Conversions

Conversions Part 2

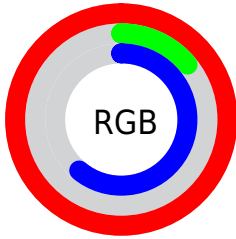
Format	Color
R_{YB}	255, 36, 155
Decimal	16721051
CIE _{Lab}	56.97, 83.07, -8.94
CIE _{LCh}	57, 83.552, 353.859
Yxy	24.8883, 0.4509, 0.2349
Android (android.graphics.Color)	4294911131 (0xFFFF249B)
YUV	115.0470, 19.6968, 122.7388
Hunter-Lab	49.8882, 83.6788, -4.6487

Details

The XYZ color **47.7873, 24.8883, 33.2956** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **40.9339, 73.6737, 35.3639**, and the grayscale version is **16.2360, 17.0815, 18.6018**.

A 20% lighter version of the original color is **58.4331, 37.2323, 64.4284**, and **24.2369, 12.2059, 14.1753** is the 20% darker color. If you saturate the color by 10%, you get **46.3392, 23.4825, 28.2182**, and if you desaturate by 10%, it is **49.8791, 27.4305, 39.0533**.

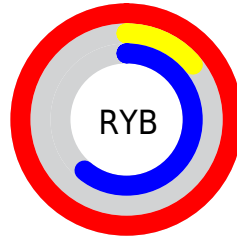
Distribution



Red (100%)

Green (14%)

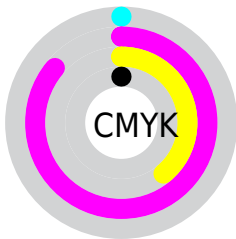
Blue (61%)



Red (100%)

Yellow (14%)

Blue (61%)

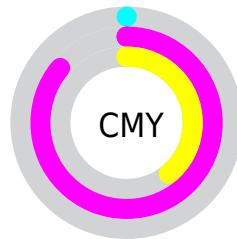


Cyan (0%)

Magenta (86%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7873, 24.8883, 33.2956 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 47.7873, 24.8883, 33.2956 by changing the saturation by 10% instead.

 47.7873, 24.8883,
33.2956


 47.7873, 24.8883,
33.2956


368.5451,
277.2812, 331.6524


 33.8690, 15.9939,
22.0800

 86.0992, 51.4760,
65.9581


 22.9554, 9.5198,
13.7168


 111.2236, 69.9380,
88.2421


 14.6811, 5.0818,
7.7875


 140.8141, 92.3579,
115.0526

 8.6807, 2.2953,
3.8735

 175.2360,
119.1203, 146.8082

 4.5890, 0.7712,
1.5562

 214.8547,
150.6094, 183.9275

 2.0404, 0.0000,
0.2593

260.0355,

 0.6565, 0.0000,

187.2096, 226.8289

0.0000

311.1439,
229.3055, 275.9310

■ 0.0000, 0.0000,
0.0000

■ 47.7873, 24.8883,
33.2956

■ 47.7873, 24.8883,
33.2956

■ 46.3392, 23.4825,
28.2182

■ 49.8791, 27.4305,
39.0533

■ 45.8674, 23.1110,
26.2974

■ 52.7151, 31.3061,
45.5368

■ 56.3792, 36.6789,
52.7864

■ 60.9428, 43.6879,
60.8376

■ 66.4691, 52.4560,
69.7226

■ 73.0154, 63.0942,
79.4716

■ 80.6344, 75.7043,
90.1126

■ 89.3750, 90.3809,
101.6722

■ 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.



42.3804, 24.8883, 73.0452



47.7873, 24.8883, 33.2956



45.4257, 24.8883, 10.6013

Triad

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



47.7873, 24.8883, 33.2956



16.8200, 24.8883, 1.6400



14.1877, 24.8883, 98.2692

Complementary

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



47.7873, 24.8883, 33.2956



40.9339, 73.6737, 35.3639

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.



10.2635, 24.8883, 55.3305



47.7873, 24.8883, 33.2956



11.4634, 24.8883, 6.0997

Square

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



47.7873, 24.8883, 33.2956



25.7304, 24.8883, 1.0620



9.4261, 24.8883, 21.7235



21.6954, 24.8883, 124.0342

Rectangle

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



47.7873, 24.8883, 33.2956



40.0197, 24.8883, 4.2630



9.4261, 24.8883, 21.7235



12.4994, 24.8883, 84.3663

Sweetspot

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



47.7880, 24.8897, 33.2960



72.9260, 62.9474, 79.3426



28.6030, 13.5978, 95.7248



15.0994, 12.6397, 16.2393



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.



47.7880, 24.8897, 33.2960



45.8674, 23.1110, 26.2974



42.3841, 22.7281, 4.8394



18.4222, 18.1522, 20.8405



24.0430, 12.1065, 14.1430



2.3961, 1.2008, 1.6675

Inverse Universe

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



47.7880, 24.8897, 33.2960



45.8674, 23.1110, 26.2974



52.8253, 78.4302, 97.9830



18.4222, 18.1522, 20.8405



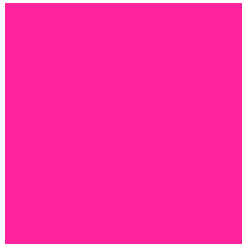
24.0430, 12.1065, 14.1430



2.3961, 1.2008, 1.6675

Previews

White Background



This preview shows how the XYZ color 47.7873, 24.8883, 33.2956 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 47.7873, 24.8883, 33.2956 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 47.7873, 24.8883, 33.2956

Background



This preview shows how black text looks on a background with the XYZ color 47.7873, 24.8883, 33.2956.



This preview shows how white text looks on a background with the XYZ color 47.7873, 24.8883,

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

47.7873, 24.8883, 33.2956

Protanopia

27.1220, 25.4116, 68.4412

Deuteranopia

25.4542, 24.9917, 29.8679



Tritanopia

42.6288, 24.9132, 8.5232

Trichromacy



Original Color

47.7873, 24.8883, 33.2956



Protanomaly

28.8974, 20.3958, 53.4527



Deuteranomaly

29.9627, 21.3126, 30.5515



Tritanomaly

43.9573, 24.4831, 14.9793

Monochromacy



Original Color

47.7873, 24.8883, 33.2956



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

23.0829, 16.3743, 23.0630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7873, 24.8883, 33.2956 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, 36, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 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, 36, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.7873, 24.8883, 33.2956 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, 36, 155) }
```


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

```
.border{ border-color:rgb(255, 36, 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, 36, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7873, 24.8883, 33.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 155) }
```

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

```
.background{ background-color: rgb(255, 36,  
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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