

Converting Colors

XYZ(49.2447, 24.9509, 42.5750)

Have a look what the booklet for
XYZ(49.2447, 24.9509, 42.5750)
contains.

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Color

**XYZ(49.2843, 24.9679,
42.7792)**

Conversions

Conversions Part 1

Format	Color
Hex	FF17AF
RGB	255, 23, 175
RGB Percent	100%, 9%, 69%
CMY	0.0000, 0.9097, 0.3137
CMYK	0.00, 0.91, 0.31, 0.00
HSL	321°, 100%, 55%
HSV	321°, 91%, 100%
XYZ	49.2843, 24.9679, 42.7792
YIQ	109.6960, 89.4800, 96.4560

Conversions

Conversions Part 2

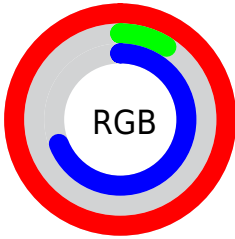
Format	Color
R_{YB}	255, 23, 175
Decimal	16717743
CIE _{Lab}	57.04, 86.85, -20.54
CIE _{LCh}	57, 89.244, 346.690
Yxy	24.9679, 0.4211, 0.2133
Android (android.graphics.Color)	4294907823 (0xFFFF17AF)
YUV	109.6960, 32.1949, 127.4316
Hunter-Lab	49.9679, 88.6142, -15.7827

Details

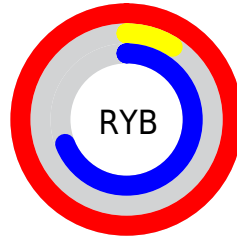
The XYZ color **49.2843, 24.9679, 42.7792** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **38.5638, 72.6824, 24.8367**, and the grayscale version is **14.6318, 15.3938, 16.7639**.

A 20% lighter version of the original color is **60.9215, 37.5449, 79.6373**, and **25.5052, 12.7426, 19.5276** is the 20% darker color. If you saturate the color by 10%, you get **48.2204, 24.0521, 38.6881**, and if you desaturate by 10%, it is **50.9490, 26.8697, 47.7357**.

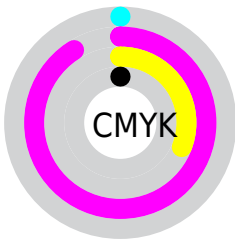
Distribution



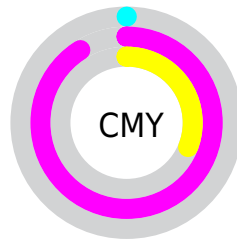
- Red (100%)
- Green (9%)
- Blue (69%)



- Red (100%)
- Yellow (9%)
- Blue (69%)



- Cyan (0%)
- Magenta (91%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2843, 24.9679, 42.7792 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 49.2843, 24.9679, 42.7792 by changing the saturation by 10% instead.

 49.2843, 24.9679,
42.7792


 49.2843, 24.9679,
42.7792


374.3589,
277.6780, 373.5974

 35.0605, 16.0531,
29.3818


 88.3117, 51.6051,
80.6603


 23.8762, 9.5618,
19.1218

 113.8461, 70.0964,
105.9811


 15.3661, 5.1094,
11.5806


 143.8814, 92.5487,
136.1135

 9.1647, 2.3116,
6.3397

 178.7829,
119.3462, 171.4760

 4.9067, 0.7798,
2.9806

 218.9161,
150.8736, 212.4870

 2.2268, 0.0000,
1.0848

264.6463,

 0.7568, 0.0000,

187.5151, 259.5653

0.0000

316.3387,
229.6551, 313.1292

■ 0.0000, 0.0000,
0.0000

■ 49.2843, 24.9679,
42.7792

■ 49.2843, 24.9679,
42.7792

■ 48.2204, 24.0521,
38.6881

■ 50.9490, 26.8697,
47.7357

■ 53.2707, 29.9937,
53.1937

■ 56.3401, 34.5198,
59.1885

■ 60.2326, 40.5972,
65.7502

■ 65.0138, 48.3557,
72.9053

70.7426, 57.9115,
80.6780

77.4726, 69.3703,
89.0908

85.2533, 82.8297,
98.1646

94.1308, 98.3804,
107.9189

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.6524, 24.9679, 89.2211



49.2843, 24.9679, 42.7792



48.7844, 24.9679, 13.7362

Triad

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



49.2843, 24.9679, 42.7792



18.3945, 24.9679, 0.8996



12.4059, 24.9679, 94.6526

Complementary

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



49.2843, 24.9679, 42.7792



38.5638, 72.6824, 24.8367

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.



9.1746, 24.9679, 47.3917



49.2843, 24.9679, 42.7792



11.8675, 24.9679, 3.6900

Square

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



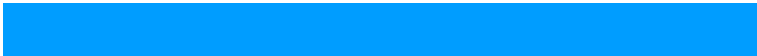
49.2843, 24.9679, 42.7792



28.6867, 24.9679, 0.8044



9.0121, 24.9679, 15.9334



19.3821, 24.9679, 131.1272

Rectangle

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



49.2843, 24.9679, 42.7792



43.8698, 24.9679, 5.2115



9.0121, 24.9679, 15.9334



10.9487, 24.9679, 78.4016

Sweetspot

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



49.2849, 24.9692, 42.7796



73.2905, 62.2250, 83.9385



23.6518, 10.5636, 95.4001



15.2159, 12.5204, 17.3645



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.



49.2849, 24.9692, 42.7796



48.2204, 24.0521, 38.6881



42.4081, 22.2185, 6.5668



18.5109, 18.1877, 21.3076



25.2692, 12.5970, 20.6000



2.5118, 1.2471, 2.2768

Inverse Universe

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



49.2849, 24.9692, 42.7796



48.2204, 24.0521, 38.6881



48.5526, 76.6779, 77.4368



18.5109, 18.1877, 21.3076



25.2692, 12.5970, 20.6000



2.5118, 1.2471, 2.2768

Previews

White Background



This preview shows how the XYZ color 49.2843, 24.9679, 42.7792 looks on a white background.

Color Contrast Check

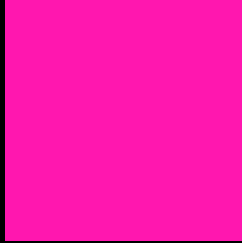
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2843, 24.9679, 42.7792 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 49.2843, 24.9679, 42.7792

Background



This preview shows how black text looks on a background with the XYZ color 49.2843, 24.9679, 42.7792.



This preview shows how white text looks on a background with the XYZ color 49.2843, 24.9679,

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

49.2843, 24.9679, 42.7792

Protanopia

28.8809, 25.6046, 91.4157

Deuteranopia

25.6172, 25.0978, 38.1445



Tritanopia

42.2346, 24.9709, 9.2505

Trichromacy



Original Color

49.2843, 24.9679, 42.7792



Protanomaly

28.9079, 19.3369, 70.6154



Deuteranomaly

30.0338, 20.6192, 38.9562



Tritanomaly

43.9721, 24.2953, 17.4108

Monochromacy



Original Color

49.2843, 24.9679, 42.7792



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

22.1317, 14.9565, 24.2747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2843, 24.9679, 42.7792 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, 23, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 175)  
}
```

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, 23, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.2843, 24.9679, 42.7792 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, 23, 175) }
```


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

```
.border{ border-color:rgb(255, 23, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 23, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2843, 24.9679, 42.7792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 175) }
```

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

```
.background{ background-color: rgb(255, 23,  
175) }
```

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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