

Converting Colors

XYZ(97.4149, 50.6905, 43.9940)

Have a look what the booklet for
XYZ(97.4149, 50.6905, 43.9940)
contains.

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Color

**XYZ(49.6835, 26.0785,
41.9502)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2CAD
RGB	255, 44, 173
RGB Percent	100%, 17%, 68%
CMY	0.0000, 0.8274, 0.3216
CMYK	0.00, 0.83, 0.32, 0.00
HSL	323°, 100%, 59%
HSV	323°, 83%, 100%
XYZ	49.6835, 26.0785, 41.9502
YIQ	121.7950, 84.3470, 84.8510

Conversions

Conversions Part 2

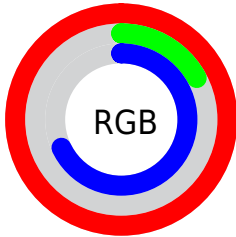
Format	Color
R _Y B	255, 44, 173
Decimal	16723117
CIE Lab	58.11, 83.33, -17.75
CIE LCh	58, 85.198, 347.973
Yxy	26.0785, 0.4221, 0.2215
Android (android.graphics.Color)	4294913197 (0xFFFF2CAD)
YUV	121.7950, 25.2441, 116.8208
Hunter-Lab	51.0671, 84.2963, -12.9581

Details

The XYZ color **49.6835, 26.0785, 41.9502** 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 **40.5666, 73.5627, 31.8058**, and the grayscale version is **18.3360, 19.2909, 21.0078**.

A 20% lighter version of the original color is **61.6282, 39.4079, 78.4871**, and **25.4435, 12.7179, 19.2029** is the 20% darker color. If you saturate the color by 10%, you get **48.0837, 24.3572, 36.8596**, and if you desaturate by 10%, it is **51.9382, 28.9955, 47.6105**.

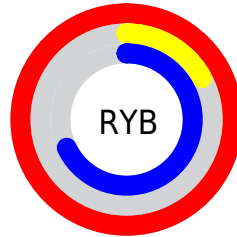
Distribution



Red (100%)

Green (17%)

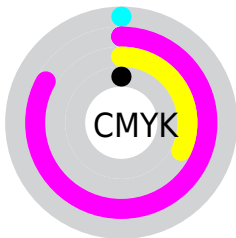
Blue (68%)



Red (100%)

Yellow (17%)

Blue (68%)

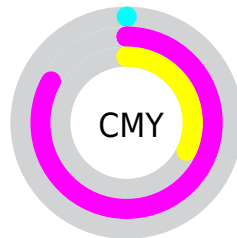


Cyan (0%)

Magenta (83%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (83%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6835, 26.0785, 41.9502 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 49.6835, 26.0785, 41.9502 by changing the saturation by 10% instead.


 49.6835, 26.0785,
41.9502


 49.6835, 26.0785,
41.9502


375.8994,
283.1672, 370.0700

 35.3787, 16.8824,
28.7370


 88.9004, 53.4016,
79.3935


 24.1227, 10.1507,
18.6381


 114.5432, 72.2973,
104.4608


 15.5499, 5.4990,
11.2349

 144.6962, 95.1950,
134.3164

 9.2950, 2.5429,
6.1089

 179.7245,
122.4791, 169.3790

 4.9928, 0.8980,
2.8416

 219.9937,
154.5340, 210.0672

 2.2777, 0.0000,
1.0143

265.8690,

 0.7832, 0.0000,

191.7440, 256.7993

0.0000

317.7158,
234.4936, 309.9941

■ 0.0000, 0.0000,
0.0000

■ 49.6835, 26.0785,
41.9502

■ 49.6835, 26.0785,
41.9502

■ 48.0837, 24.3572,
36.8596

■ 51.9382, 28.9955,
47.6105


■ 47.2316, 23.6566,
33.4814


■ 54.9397, 33.2901,
53.8780


■ 58.7667, 39.1171,
60.7861

■ 63.4868, 46.6096,
68.3643

■ 69.1604, 55.8859,
76.6393

 75.8422, 67.0537,
85.6361

 83.5828, 80.2120,
95.3779

 92.4293, 95.4528,
105.8865

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.



42.6304, 26.0785, 85.9193



49.6835, 26.0785, 41.9502



48.8417, 26.0785, 14.2272

Triad

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



49.6835, 26.0785, 41.9502



19.1569, 26.0785, 1.3896



13.7392, 26.0785, 94.9341

Complementary

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



49.6835, 26.0785, 41.9502



40.5666, 73.5627, 31.8058

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.



10.3034, 26.0785, 49.7749



49.6835, 26.0785, 41.9502



12.7807, 26.0785, 4.8181

Square

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



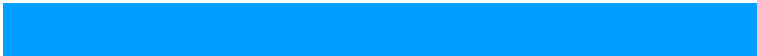
49.6835, 26.0785, 41.9502



29.1531, 26.0785, 1.1954



10.0096, 26.0785, 18.1283



20.8799, 26.0785, 128.0481

Rectangle

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



49.6835, 26.0785, 41.9502



43.9378, 26.0785, 5.8242



10.0096, 26.0785, 18.1283



12.2096, 26.0785, 79.6409

Sweetspot

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



49.6842, 26.0799, 41.9506



74.2396, 64.3565, 83.5364



27.3935, 13.3748, 95.7455



15.3803, 12.9210, 17.1983



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.



49.6842, 26.0799, 41.9506



47.3435, 23.7457, 33.9341



43.2042, 23.4879, 7.8272



18.4760, 18.1737, 21.1239



24.7549, 12.3913, 17.8917



2.4639, 1.2279, 2.0243

Inverse Universe

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



49.6842, 26.0799, 41.9506



47.3435, 23.7457, 33.9341



51.1367, 77.7907, 87.4670



18.4760, 18.1737, 21.1239



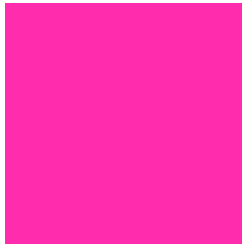
24.7549, 12.3913, 17.8917



2.4639, 1.2279, 2.0243

Previews

White Background



This preview shows how the XYZ color 49.6835, 26.0785, 41.9502 looks on a white background.

Color Contrast Check

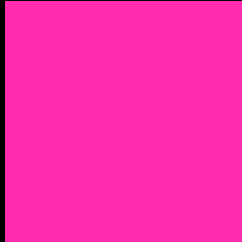
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6835, 26.0785, 41.9502 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 49.6835, 26.0785, 41.9502

Background



This preview shows how black text looks on a background with the XYZ color 49.6835, 26.0785, 41.9502.



This preview shows how white text looks on a background with the XYZ color 49.6835, 26.0785,

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

49.6835, 26.0785, 41.9502

Protanopia

29.1615, 26.5471, 83.7079

Deuteranopia

26.7949, 26.3396, 37.8542



Tritanopia

43.2765, 26.1826, 10.5574

Trichromacy



Original Color

49.6835, 26.0785, 41.9502



Protanomaly

30.3143, 21.4256, 66.1561



Deuteranomaly

31.5003, 22.6440, 38.7869



Tritanomaly

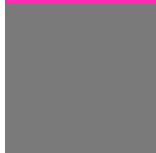
44.7691, 25.6206, 18.5053

Monochromacy



Original Color

49.6835, 26.0785, 41.9502



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

25.3880, 18.4745, 27.4272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6835, 26.0785, 41.9502 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, 44, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 173)  
}
```

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, 44, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 173) }
```

Border

The CSS property to change the border of an element to XYZ 49.6835, 26.0785, 41.9502 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, 44, 173) }
```


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

```
.border{ border-color:rgb(255, 44, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6835, 26.0785, 41.9502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 173) }
```

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

```
.background{ background-color: rgb(255, 44,  
173) }
```

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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