

Converting Colors

XYZ(88.1390, 41.2059, 48.1678)

Have a look what the booklet for
XYZ(88.1390, 41.2059, 48.1678)
contains.

XYZ(49.7872, 24.6789, 46.9392)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7872, 24.6789,
46.9392)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00B7
RGB	255, 0, 183
RGB Percent	100%, 0%, 72%
CMY	0.0000, 0.9998, 0.2824
CMYK	0.00, 1.00, 0.28, 0.00
HSL	317°, 100%, 50%
HSV	317°, 100%, 100%
XYZ	49.7872, 24.6789, 46.9392
YIQ	97.1070, 93.2370, 110.9730

Conversions

Conversions Part 2

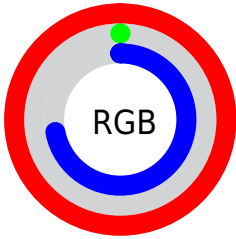
Format	Color
RYB	255, 0, 183
Decimal	16711863
CIELab	56.76, 89.43, -25.63
CIELCh	57, 93.030, 344.005
Yxy	24.6789, 0.4101, 0.2033
Android (android.graphics.Color)	4294901943 (0xFFFF00B7)
YUV	97.1070, 42.3452, 138.4722
Hunter-Lab	49.6779, 91.9566, -21.2469

Details

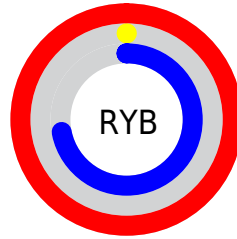
The XYZ color **49.7872, 24.6789, 46.9392** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.9324, 71.9891, 18.0899**, and the grayscale version is **11.2802, 11.8677, 12.9239**.

A 20% lighter version of the original color is **61.5714, 36.9947, 85.5569**, and **26.0216, 12.9492, 22.2470** is the 20% darker color. If you saturate the color by 10%, you get **49.7855, 24.6782, 46.9300**, and if you desaturate by 10%, it is **50.9161, 25.7060, 51.1093**.

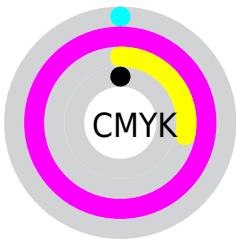
Distribution



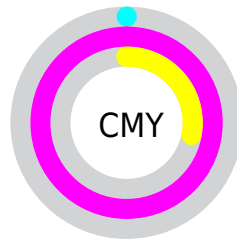
- Red (100%)
- Green (0%)
- Blue (72%)



- Red (100%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7872, 24.6789, 46.9392 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 49.7872, 24.6789, 46.9392 by changing the saturation by 10% instead.


 49.7872, 24.6789,
46.9392


 49.7872, 24.6789,
46.9392

376.2989,
276.2350, 390.9585


 35.4614, 15.8380,
32.6336


 89.0532, 51.1358,
86.9719

 24.1867, 9.4096,
21.5771


 114.7242, 69.5206,
113.5361


 15.5977, 5.0093,
13.3511


 144.9076, 91.8555,
145.0235

 9.3289, 2.2527,
7.5372

 179.9688,
118.5249, 181.8527

 5.0152, 0.7485,
3.7168

 220.2732,
149.9131, 224.4423

 2.2910, 0.0000,
1.4713

266.1861,

 0.7901, 0.0000,

186.4046, 273.2108

0.1964

318.0729,
228.3838, 328.5767

■ 0.0000, 0.0000,
0.0000

■ 49.7872, 24.6789,
46.9392

■ 49.7872, 24.6789,
46.9392

■ 49.7855, 24.6782,
46.9300

■ 50.9161, 25.7060,
51.1093

■ 52.5509, 27.6827,
55.6398

■ 54.8351, 30.8952,
60.5814

■ 57.8567, 35.5184,
65.9662

■ 61.6893, 41.6989,
71.8212

■ 66.3975, 49.5649,
78.1704

■ 72.0391, 59.2311,
85.0357

■ 78.6668, 70.8024,
92.4370

■ 86.3293, 84.3752,
100.3929

Harmonies

Analogous

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



41.1513, 24.6789, 96.8828



49.7872, 24.6789, 46.9392



50.0978, 24.6789, 14.8451

Triad

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



49.7872, 24.6789, 46.9392



18.7590, 24.6789, 0.5313



11.4182, 24.6789, 93.4713

Complementary

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



49.7872, 24.6789, 46.9392



36.9324, 71.9891, 18.0899

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.



8.4733, 24.6789, 44.0898



49.7872, 24.6789, 46.9392



11.7384, 24.6789, 2.7299

Square

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



49.7872, 24.6789, 46.9392



29.6913, 24.6789, 0.5898



8.5689, 24.6789, 13.5352



18.1621, 24.6789, 135.0355

Rectangle

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



49.7872, 24.6789, 46.9392



45.3642, 24.6789, 5.3871



8.5689, 24.6789, 13.5352



10.0589, 24.6789, 76.0863

Sweetspot

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



49.7879, 24.6802, 46.9396



72.0246, 59.2059, 85.0187



20.4377, 8.4519, 95.1619



14.8822, 11.7521, 17.5643



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.



49.7879, 24.6802, 46.9396



49.7855, 24.6782, 46.9300



42.0443, 21.5828, 6.1623



18.5610, 18.2077, 21.5715



26.0812, 12.9218, 24.8758



2.5863, 1.2769, 2.6687

Inverse Universe

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



49.7879, 24.6802, 46.9396



49.7855, 24.6782, 46.9300



45.6693, 75.4838, 64.0979



18.5610, 18.2077, 21.5715



26.0812, 12.9218, 24.8758



2.5863, 1.2769, 2.6687

Previews

White Background



This preview shows how the XYZ color 49.7872, 24.6789, 46.9392 looks on a white background.

Color Contrast Check

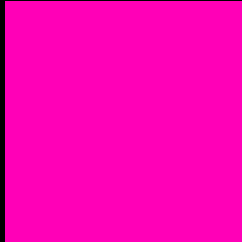
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.7872, 24.6789, 46.9392 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 49.7872, 24.6789, 46.9392

Background



This preview shows how black text looks on a background with the XYZ color 49.7872, 24.6789, 46.9392.



This preview shows how white text looks on a background with the XYZ color 49.7872, 24.6789,

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

49.7872, 24.6789, 46.9392

Protanopia

29.3991, 25.7260, 98.0239

Deuteranopia

25.8462, 25.3366, 42.0563



Tritanopia

41.9796, 24.9307, 9.4370

Trichromacy



Original Color

49.7872, 24.6789, 46.9392



Protanomaly

28.2066, 17.7296, 76.0642



Deuteranomaly

29.4257, 19.2157, 42.7155



Tritanomaly

43.4958, 23.5158, 18.4662

Monochromacy



Original Color

49.7872, 24.6789, 46.9392



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

18.9453, 11.8738, 21.7154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7872, 24.6789, 46.9392 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, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 183)  
}
```

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, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 183) }
```

Border

The CSS property to change the border of an element to XYZ 49.7872, 24.6789, 46.9392 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, 0, 183) }
```


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

```
.border{ border-color:rgb(255, 0, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7872, 24.6789, 46.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 183) }
```

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

```
.background{ background-color: rgb(255, 0,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor