

Converting Colors

XYZ(49.1012, 28.0505, 32.0861)

Have a look what the booklet for
XYZ(49.1012, 28.0505, 32.0861)
contains.

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Color

**XYZ(49.0792, 28.0008,
32.0961)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4797
RGB	255, 71, 151
RGB Percent	100%, 28%, 59%
CMY	0.0000, 0.7215, 0.4078
CMYK	0.00, 0.72, 0.41, 0.00
HSL	334°, 100%, 64%
HSV	334°, 72%, 100%
XYZ	49.0792, 28.0008, 32.0961
YIQ	135.1360, 83.9840, 63.8880

Conversions

Conversions Part 2

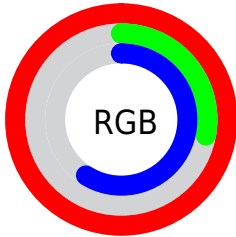
Format	Color
R_{YB}	255, 71, 151
Decimal	16730007
CIE _{Lab}	59.89, 74.02, -2.26
CIE _{LCh}	60, 74.059, 358.250
Yxy	28.0008, 0.4495, 0.2565
Android (android.graphics.Color)	4294920087 (0xFFFF4797)
YUV	135.1360, 7.8210, 105.1207
Hunter-Lab	52.9158, 72.9555, 1.0787

Details

The XYZ color **49.0792, 28.0008, 32.0961** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **46.0983, 75.9556, 52.7944**, and the grayscale version is **23.0314, 24.2308, 26.3873**.

A 20% lighter version of the original color is **60.6470, 42.4428, 62.7534**, and **24.2926, 12.2576, 13.1422** is the 20% darker color. If you saturate the color by 10%, you get **46.6838, 24.9703, 25.8710**, and if you desaturate by 10%, it is **52.2990, 32.4511, 39.3026**.

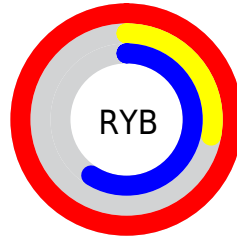
Distribution



Red (100%)

Green (28%)

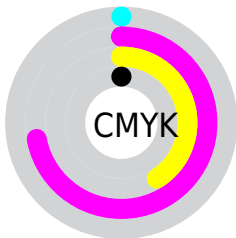
Blue (59%)



Red (100%)

Yellow (28%)

Blue (59%)

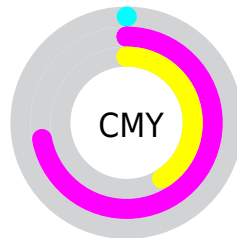


Cyan (0%)

Magenta (72%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0792, 28.0008, 32.0961 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 49.0792, 28.0008, 32.0961 by changing the saturation by 10% instead.


 49.0792, 28.0008,
32.0961


 49.0792, 28.0008,
32.0961


373.5658,
292.4707, 326.0630


 34.8971, 18.3263,
21.1695


 88.0091, 56.4857,
64.0614


 23.7498, 11.1845,
13.0555


 113.4876, 76.0649,
85.9371


 15.2718, 6.1911,
7.3356


 143.4623, 99.7144,
112.2996

 9.0979, 2.9616,
3.5912

 178.2985,
127.8186, 143.5675

 4.8627, 1.1117,
1.4039

 218.3616,
160.7620, 180.1592

 2.2009, 0.0000,
0.1448

264.0169,

 0.7432, 0.0000,

198.9289, 222.4933

0.0000

315.6299,
242.7036, 270.9884

■ 0.0000, 0.0000,
0.0000

■ 49.0792, 28.0008,
32.0961

■ 49.0792, 28.0008,
32.0961

■ 46.6838, 24.9703,
25.8710

■ 52.2990, 32.4511,
39.3026

■ 45.0139, 23.1701,
20.5683


■ 56.4217, 38.4702,
47.5401


■ 44.1016, 22.4046,
16.9990

■ 61.5183, 46.1928,
56.8554

■ 67.6518, 55.7380,
67.2914

■ 74.8799, 67.2139,
78.8884

 83.2556, 80.7202,
91.6844

 92.8285, 96.3498,
105.7152

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.



45.1347, 28.0008, 66.6488



49.0792, 28.0008, 32.0961



45.9241, 28.0008, 11.9626

Triad

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



49.0792, 28.0008, 32.0961



18.9420, 28.0008, 3.8433



18.1902, 28.0008, 99.0989

Complementary

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



49.0792, 28.0008, 32.0961



46.0983, 75.9556, 52.7944

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.



13.6552, 28.0008, 62.1432



49.0792, 28.0008, 32.0961



14.0119, 28.0008, 10.5546

Square

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



49.0792, 28.0008, 32.0961



27.1696, 28.0008, 2.4967



12.3262, 28.0008, 28.9347



26.0659, 28.0008, 117.0293

Rectangle

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



49.0792, 28.0008, 32.0961



40.5564, 28.0008, 5.8787



12.3262, 28.0008, 28.9347



16.3007, 28.0008, 87.7173

Sweetspot

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



49.0799, 28.0023, 32.0966



74.9988, 67.4042, 79.0743



37.3623, 20.5218, 96.5996



15.6085, 13.7173, 16.2260



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.



49.0799, 28.0023, 32.0966



45.7904, 23.9570, 23.1891



45.2618, 27.4833, 8.8824



18.3373, 18.1182, 20.3934



23.1158, 11.7356, 9.2600



2.3043, 1.1641, 1.1841

Inverse Universe

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



49.0799, 28.0023, 32.0966



45.7904, 23.9570, 23.1891



53.5445, 74.3503, 106.1367



18.3373, 18.1182, 20.3934



23.1158, 11.7356, 9.2600



2.3043, 1.1641, 1.1841

Previews

White Background



This preview shows how the XYZ color 49.0792, 28.0008, 32.0961 looks on a white background.

Color Contrast Check

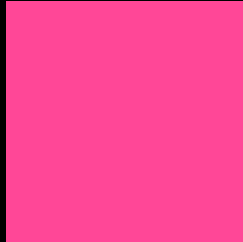
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0792, 28.0008, 32.0961 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 49.0792, 28.0008, 32.0961

Background



This preview shows how black text looks on a background with the XYZ color 49.0792, 28.0008, 32.0961.

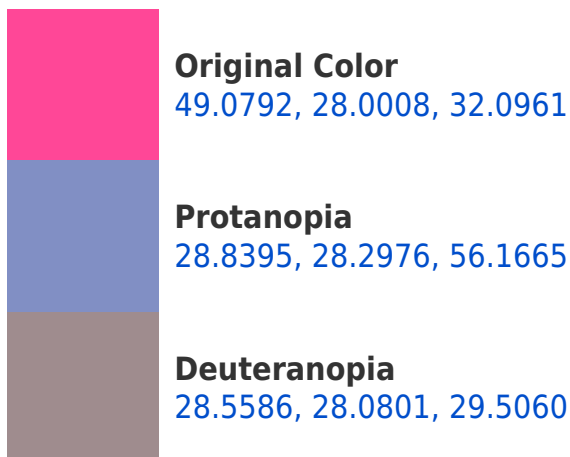


This preview shows how white text looks on a background with the XYZ color 49.0792, 28.0008,

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

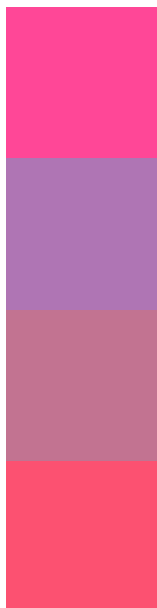




Tritanopia

44.9998, 27.9201, 12.9149

Trichromacy



Original Color

49.0792, 28.0008, 32.0961

Protanomaly

32.2787, 25.1318, 46.3297

Deuteranomaly

33.4897, 25.7751, 29.9981

Tritanomaly

46.0679, 27.7726, 18.5554

Monochromacy



Original Color

49.0792, 28.0008, 32.0961

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

29.1923, 23.0951, 28.1185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0792, 28.0008, 32.0961 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, 71, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 151)  
}
```

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, 71, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 151) }
```

Border

The CSS property to change the border of an element to XYZ 49.0792, 28.0008, 32.0961 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, 71, 151) }
```


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

```
.border{ border-color:rgb(255, 71, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0792, 28.0008, 32.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 151) }
```

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

```
.background{ background-color: rgb(255, 71,  
151) }
```

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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