

Converting Colors

XYZ(49.0611, 28.1233, 30.6215)

Have a look what the booklet for
XYZ(49.0611, 28.1233, 30.6215)
contains.

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Color

**XYZ(48.8238, 28.0013,
30.4353)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4893
RGB	255, 72, 147
RGB Percent	100%, 28%, 58%
CMY	0.0000, 0.7176, 0.4235
CMYK	0.00, 0.72, 0.42, 0.00
HSL	335°, 100%, 64%
HSV	335°, 72%, 100%
XYZ	48.8238, 28.0013, 30.4353
YIQ	135.2670, 84.9930, 62.1210

Conversions

Conversions Part 2

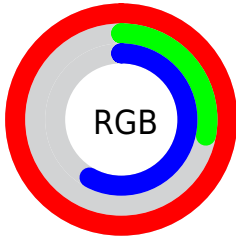
Format	Color
RYB	255, 72, 147
Decimal	16730259
CIELab	59.89, 73.33, 0.08
CIELCh	60, 73.326, 0.060
Yxy	28.0013, 0.4552, 0.2611
Android (android.graphics.Color)	4294920339 (0xFFFF4893)
YUV	135.2670, 5.7844, 105.0058
Hunter-Lab	52.9163, 72.0917, 2.9402

Details

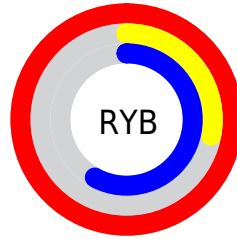
The XYZ color **48.8238, 28.0013, 30.4353** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **46.6727, 76.1938, 55.4330**, and the grayscale version is **23.0871, 24.2895, 26.4512**.

A 20% lighter version of the original color is **60.1701, 42.2521, 60.2425**, and **24.1500, 12.2005, 12.3914** is the 20% darker color. If you saturate the color by 10%, you get **46.3985, 24.9188, 24.1764**, and if you desaturate by 10%, it is **52.0882, 32.5147, 37.7367**.

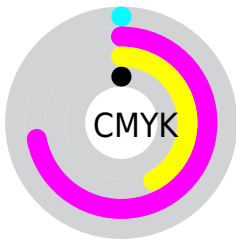
Distribution



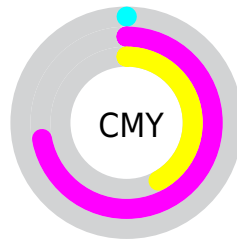
- Red (100%)
- Green (28%)
- Blue (58%)



- Red (100%)
- Yellow (28%)
- Blue (58%)



- Cyan (0%)
- Magenta (72%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (72%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8238, 28.0013, 30.4353 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 48.8238, 28.0013, 30.4353 by changing the saturation by 10% instead.


 48.8238, 28.0013,
30.4353


 48.8238, 28.0013,
30.4353


372.5767,
292.4731, 318.1985

 34.6937, 18.3266,
19.9144


 87.6320, 56.4865,
61.4190


 23.5924, 11.1848,
12.1494


 113.0408, 76.0659,
82.7189

 15.1546, 6.1912,
6.7217


 142.9399, 99.7156,
108.4488

 9.0150, 2.9617,
3.2129

 177.6946,
127.8200, 139.0274

 4.8082, 1.1118,
1.2043

217.6702,
160.7636, 174.8731

 2.1687, 0.0000,
0.0000

263.2323,

 0.7262, 0.0000,

198.9307, 216.4045

0.0000

314.7460,
242.7058, 264.0401

■ 0.0000, 0.0000,
0.0000

■ 48.8238, 28.0013,
30.4353

■ 48.8238, 28.0013,
30.4353

■ 46.3985, 24.9188,
24.1764

■ 52.0882, 32.5147,
37.7367

■ 44.7133, 23.0787,
18.8969


■ 56.2702, 38.6072,
46.1338


■ 43.7640, 22.2696,
15.2219

■ 61.4415, 46.4132,
55.6772

■ 67.6653, 56.0515,
66.4130

■ 74.9998, 67.6302,
78.3847

 83.4984, 81.2489,
91.6333

 93.2112, 97.0003,
106.1976

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



45.3312, 28.0013, 63.8937



48.8238, 28.0013, 30.4353



45.3046, 28.0013, 11.3464

Triad

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



48.8238, 28.0013, 30.4353



18.6183, 28.0013, 4.1638



18.6438, 28.0013, 99.9668

Complementary

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



48.8238, 28.0013, 30.4353



46.6727, 76.1938, 55.4330

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.



13.9349, 28.0013, 64.0452



48.8238, 28.0013, 30.4353



13.9228, 28.0013, 11.3943

Square

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



48.8238, 28.0013, 30.4353



26.5958, 28.0013, 2.5901



12.4289, 28.0013, 30.5421



26.6330, 28.0013, 115.8369

Rectangle

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



48.8238, 28.0013, 30.4353



39.8374, 28.0013, 5.6562



12.4289, 28.0013, 30.5421



16.6985, 28.0013, 89.0929

Sweetspot

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



48.8246, 28.0029, 30.4358



74.8105, 67.3289, 78.0827



38.9019, 21.4108, 96.6899



15.5643, 13.6996, 15.9932



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.



48.8246, 28.0029, 30.4358



45.6000, 23.9989, 21.8221



45.8394, 28.5867, 9.2348



18.3180, 18.1105, 20.2915



22.9374, 11.6643, 8.3208



2.2860, 1.1568, 1.0874

Inverse Universe

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



48.8246, 28.0029, 30.4358



45.6000, 23.9989, 21.8221



51.8101, 70.7717, 105.5371



18.3180, 18.1105, 20.2915



22.9374, 11.6643, 8.3208



2.2860, 1.1568, 1.0874

Previews

White Background



This preview shows how the XYZ color 48.8238, 28.0013, 30.4353 looks on a white background.

Color Contrast Check

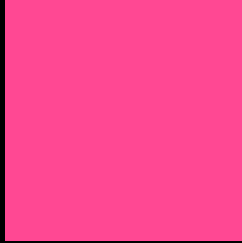
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8238, 28.0013, 30.4353 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 48.8238, 28.0013, 30.4353

Background



This preview shows how black text looks on a background with the XYZ color 48.8238, 28.0013, 30.4353.



This preview shows how white text looks on a background with the XYZ color 48.8238, 28.0013,

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

48.8238, 28.0013, 30.4353

Protanopia

28.6324, 28.2682, 52.6624

Deuteranopia

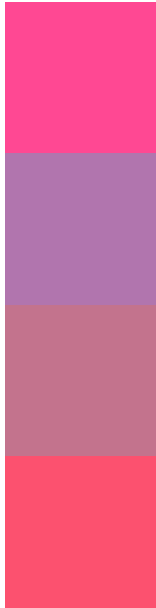
28.6635, 28.1682, 27.9710



Tritanopia

44.9998, 27.9201, 12.9149

Trichromacy



Original Color

48.8238, 28.0013, 30.4353

Protanomaly

32.1327, 25.1257, 43.2006

Deuteranomaly

33.4441, 25.7867, 28.4139

Tritanomaly

45.9566, 27.7280, 17.9688

Monochromacy



Original Color

48.8238, 28.0013, 30.4353

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

29.0448, 23.0361, 27.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8238, 28.0013, 30.4353 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, 72, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 147)  
}
```

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, 72, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 147) }
```

Border

The CSS property to change the border of an element to XYZ 48.8238, 28.0013, 30.4353 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, 72, 147) }
```


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

```
.border{ border-color:rgb(255, 72, 147) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8238, 28.0013, 30.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 147) }
```

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

```
.background{ background-color: rgb(255, 72,  
147) }
```

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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