

Converting Colors

XYZ(48.2505, 27.1936, 29.1997)

Have a look what the booklet for
XYZ(48.2505, 27.1936, 29.1997)
contains.

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Color

**XYZ(48.2223, 27.1700,
29.0883)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4290
RGB	255, 66, 144
RGB Percent	100%, 26%, 56%
CMY	0.0000, 0.7411, 0.4353
CMYK	0.00, 0.74, 0.44, 0.00
HSL	335°, 100%, 63%
HSV	335°, 74%, 100%
XYZ	48.2223, 27.1700, 29.0883
YIQ	131.4030, 87.6060, 64.3260

Conversions

Conversions Part 2

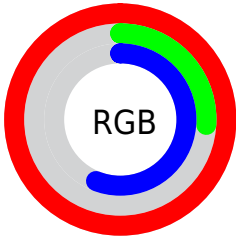
Format	Color
R _Y B	255, 66, 144
Decimal	16728720
CIE Lab	59.13, 74.94, 0.73
CIE LCh	59, 74.947, 0.556
Yxy	27.1700, 0.4615, 0.2600
Android (android.graphics.Color)	4294918800 (0xFFFF4290)
YUV	131.4030, 6.2103, 108.3946
Hunter-Lab	52.1249, 73.9173, 3.4006

Details

The XYZ color **48.2223, 27.1700, 29.0883** 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 **45.9446, 75.8535, 53.8209**, and the grayscale version is **21.6759, 22.8047, 24.8343**.

A 20% lighter version of the original color is **59.2833, 41.0377, 58.2226**, and **24.0127, 12.1456, 11.6684** is the 20% darker color. If you saturate the color by 10%, you get **45.9802, 24.3980, 23.0629**, and if you desaturate by 10%, it is **51.2811, 31.3325, 36.1357**.

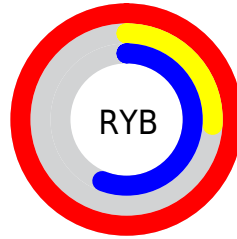
Distribution



Red (100%)

Green (26%)

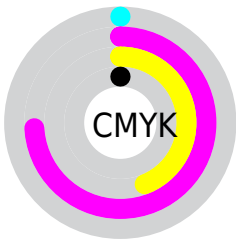
Blue (56%)



Red (100%)

Yellow (26%)

Blue (56%)

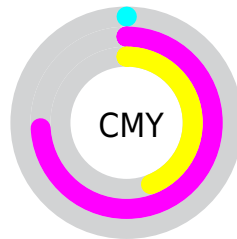


Cyan (0%)

Magenta (74%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (74%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2223, 27.1700, 29.0883 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 48.2223, 27.1700, 29.0883 by changing the saturation by 10% instead.


 48.2223, 27.1700,
29.0883


 48.2223, 27.1700,
29.0883


370.2405,
288.4793, 311.7053


 34.2149, 17.7009,
18.9015


 86.7430, 55.1565,
59.2612


 23.2224, 10.7355,
11.4230


 111.9870, 74.4428,
80.0844


 14.8794, 5.8893,
6.2344


 141.7074, 97.7703,
105.2901

 8.8206, 2.7779,
2.9170

 176.2693,
125.5233, 135.2968

 4.6805, 1.0169,
1.0524

 216.0382,
158.0864, 170.5232

 2.0939, 0.0000,
0.0000

261.3795,

 0.6859, 0.0000,

195.8438, 211.3877

0.0000

312.6585,
239.1799, 258.3089

■ 0.0000, 0.0000,
0.0000

■ 48.2223, 27.1700,
29.0883

■ 48.2223, 27.1700,
29.0883

■ 45.9802, 24.3980,
23.0629

■ 51.2811, 31.3325,
36.1357

■ 44.4509, 22.8180,
17.9949

■ 55.2383, 37.0397,
44.2593

■ 43.8016, 22.2846,
15.4191

■ 60.1673, 44.4300,
53.5100

■ 66.1331, 53.6251,
63.9346

■ 73.1946, 64.7354,
75.5766

81.4064, 77.8622,
88.4772

90.8191, 93.0998,
102.6753

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.



44.7962, 27.1700, 62.6856



48.2223, 27.1700, 29.0883



44.5457, 27.1700, 10.4043

Triad

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



48.2223, 27.1700, 29.0883



17.7396, 27.1700, 3.7372



17.9751, 27.1700, 100.6146

Complementary

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



48.2223, 27.1700, 29.0883



45.9446, 75.8535, 53.8209

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.



13.2570, 27.1700, 64.1194



48.2223, 27.1700, 29.0883



13.1459, 27.1700, 10.8400

Square

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



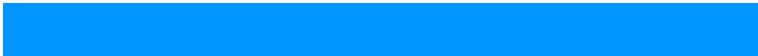
48.2223, 27.1700, 29.0883



25.6508, 27.1700, 2.2145



11.7245, 27.1700, 30.0843



25.9985, 27.1700, 116.3663

Rectangle

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



48.2223, 27.1700, 29.0883



38.9725, 27.1700, 5.0083



11.7245, 27.1700, 30.0843



16.0259, 27.1700, 89.5940

Sweetspot

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



48.2230, 27.1715, 29.0887



74.8320, 67.3375, 78.1960



37.9612, 20.3778, 96.5403



15.5693, 13.7017, 16.0198



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.



48.2230, 27.1715, 29.0887



45.1510, 23.4907, 20.4707



45.2231, 27.6522, 8.1101



18.3202, 18.1114, 20.3032



22.9572, 11.6722, 8.4252



2.2880, 1.1576, 1.0982

Inverse Universe

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



48.2230, 27.1715, 29.0887



45.1510, 23.4907, 20.4707



51.2377, 70.2588, 105.4685



18.3202, 18.1114, 20.3032



22.9572, 11.6722, 8.4252



2.2880, 1.1576, 1.0982

Previews

White Background



This preview shows how the XYZ color 48.2223, 27.1700, 29.0883 looks on a white background.

Color Contrast Check

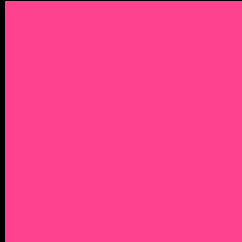
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2223, 27.1700, 29.0883 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 48.2223, 27.1700, 29.0883

Background



This preview shows how black text looks on a background with the XYZ color 48.2223, 27.1700, 29.0883.



This preview shows how white text looks on a background with the XYZ color 48.2223, 27.1700,

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

48.2223, 27.1700, 29.0883

Protanopia

27.7634, 27.3910, 51.9678

Deuteranopia

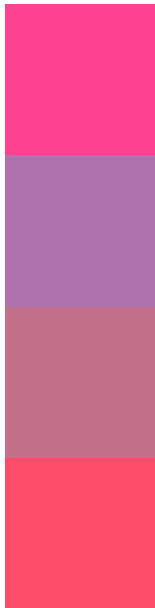
27.7597, 27.2972, 26.7275



Tritanopia

44.3658, 27.0500, 11.4772

Trichromacy



Original Color

48.2223, 27.1700, 29.0883

Protanomaly

31.2393, 24.1657, 42.5531

Deuteranomaly

32.6297, 24.8927, 27.1297

Tritanomaly

45.3308, 26.9049, 16.4396

Monochromacy



Original Color

48.2223, 27.1700, 29.0883

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

27.6061, 21.5231, 25.9919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2223, 27.1700, 29.0883 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, 66, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 144)  
}
```

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, 66, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 144) }
```

Border

The CSS property to change the border of an element to XYZ 48.2223, 27.1700, 29.0883 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, 66, 144) }
```


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

```
.border{ border-color:rgb(255, 66, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2223, 27.1700, 29.0883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 144) }
```

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

```
.background{ background-color: rgb(255, 66,  
144) }
```

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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