

Converting Colors

XYZ(49.7315, 29.4370, 31.9081)

Have a look what the booklet for
XYZ(49.7315, 29.4370, 31.9081)
contains.

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Color

**XYZ(49.7623, 29.4966,
31.9248)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5296
RGB	255, 82, 150
RGB Percent	100%, 32%, 59%
CMY	0.0000, 0.6784, 0.4118
CMYK	0.00, 0.68, 0.41, 0.00
HSL	336°, 100%, 66%
HSV	336°, 68%, 100%
XYZ	49.7623, 29.4966, 31.9248
YIQ	141.4790, 81.2800, 57.8240

Conversions

Conversions Part 2

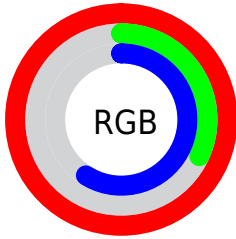
Format	Color
R _Y B	255, 82, 150
Decimal	16732822
CIE Lab	61.22, 70.15, 0.27
CIE LCh	61, 70.153, 0.217
Yxy	29.4966, 0.4476, 0.2653
Android (android.graphics.Color)	4294922902 (0xFFFF5296)
YUV	141.4790, 4.2009, 99.5579
Hunter-Lab	54.3108, 68.5070, 3.1659

Details

The XYZ color **49.7623, 29.4966, 31.9248** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **48.2113, 76.9025, 59.3221**, and the grayscale version is **25.4688, 26.7952, 29.1799**.

A 20% lighter version of the original color is **61.6640, 44.6694, 62.4987**, and **24.2445, 12.2383, 12.8888** is the 20% darker color. If you saturate the color by 10%, you get **47.0186, 25.8739, 25.2619**, and if you desaturate by 10%, it is **53.3862, 34.6163, 39.6938**.

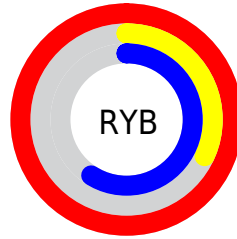
Distribution



Red (100%)

Green (32%)

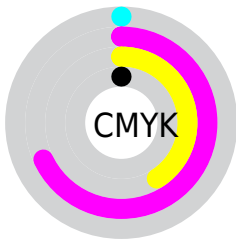
Blue (59%)



Red (100%)

Yellow (32%)

Blue (59%)

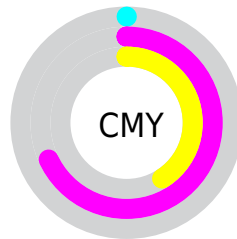


Cyan (0%)

Magenta (68%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7623, 29.4966, 31.9248 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 49.7623, 29.4966, 31.9248 by changing the saturation by 10% instead.


 49.7623, 29.4966,
31.9248


 49.7623, 29.4966,
31.9248


376.2030,
299.5509, 325.2587


 35.4416, 19.4568,
21.0397


 89.0165, 58.8652,
63.7897


 24.1713, 12.0008,
12.9615


 114.6807, 78.9627,
85.6066

 15.5862, 6.7442,
7.2716


 144.8568,
103.1817, 111.9046

 9.3208, 3.3027,
3.5515

 179.9102,
131.9064, 143.1021

 5.0098, 1.2917,
1.3827

220.2061,
165.5213, 179.6177

 2.2878, 0.1348,
0.1282

266.1100,

 0.7884, 0.0000,

204.4107, 221.8700

0.0000

317.9872,
248.9591, 270.2775

■ 0.0000, 0.0000,
0.0000

■ 49.7623, 29.4966,
31.9248

■ 49.7623, 29.4966,
31.9248

■ 47.0186, 25.8739,
25.2619

■ 53.3862, 34.6163,
39.6938

■ 45.0627, 23.5735,
19.6420

■ 57.9649, 41.3724,
48.6230

■ 43.7765, 22.3703,
14.9924

■ 63.5674, 49.8936,
58.7639

■ 43.5510, 22.1844,
14.0997

■ 70.2552, 60.2944,
70.1640

■ 78.0848, 72.6795,
82.8681

87.1089, 87.1458,
96.9185

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.



46.4081, 29.4966, 64.5121



49.7623, 29.4966, 31.9248



46.3142, 29.4966, 12.7422

Triad

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



49.7623, 29.4966, 31.9248



20.0266, 29.4966, 5.1892



20.1197, 29.4966, 99.4063

Complementary

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



49.7623, 29.4966, 31.9248



48.2113, 76.9025, 59.3221

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.



15.3374, 29.4966, 65.0440



49.7623, 29.4966, 31.9248



15.2925, 29.4966, 12.9229

Square

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



49.7623, 29.4966, 31.9248



27.9685, 29.4966, 3.4001



13.7820, 29.4966, 32.3095



28.1029, 29.4966, 114.3392

Rectangle

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



49.7623, 29.4966, 31.9248



40.9780, 29.4966, 6.7673



13.7820, 29.4966, 32.3095



18.1532, 29.4966, 89.0647

Sweetspot

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



49.7631, 29.4982, 31.9253



76.2934, 69.8300, 80.0101



41.2702, 23.6708, 97.0013



15.8489, 14.1840, 16.3498



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.



49.7631, 29.4982, 31.9253



46.3199, 25.0127, 23.3758



47.2546, 30.8518, 11.4492



18.3050, 18.1053, 20.2233



22.8245, 11.6191, 7.7263



2.2742, 1.1521, 1.0254

Inverse Universe

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



49.7631, 29.4982, 31.9253



46.3199, 25.0127, 23.3758



52.0181, 69.9894, 105.3752



18.3050, 18.1053, 20.2233



22.8245, 11.6191, 7.7263



2.2742, 1.1521, 1.0254

Previews

White Background



This preview shows how the XYZ color 49.7623, 29.4966, 31.9248 looks on a white background.

Color Contrast Check

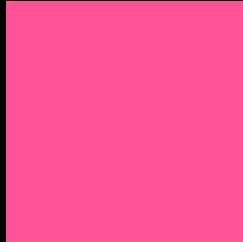
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.7623, 29.4966, 31.9248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

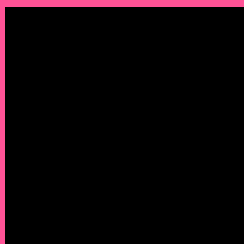
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7623, 29.4966, 31.9248

Background



This preview shows how black text looks on a background with the XYZ color 49.7623, 29.4966, 31.9248.



This preview shows how white text looks on a background with the XYZ color 49.7623, 29.4966,

31.9248.

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

49.7623, 29.4966, 31.9248

Protanopia

29.8897, 29.5938, 52.8520

Deuteranopia

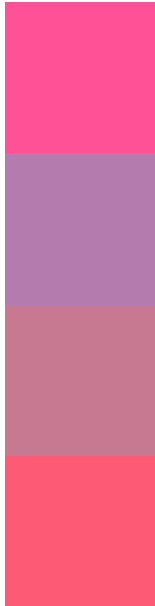
30.1472, 29.5673, 29.3174



Tritanopia

46.3997, 29.6017, 15.0725

Trichromacy



Original Color

49.7623, 29.4966, 31.9248

Protanomaly

33.6432, 26.9644, 43.9889

Deuteranomaly

35.1601, 27.6941, 29.8779

Tritanomaly

47.4342, 29.5030, 20.3341

Monochromacy



Original Color

49.7623, 29.4966, 31.9248

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

31.0419, 25.3916, 29.6505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7623, 29.4966, 31.9248 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, 82, 150)` looks like.

```
.text, #text, p{  
  color:rgb(255, 82, 150)  
}
```

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, 82, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.7623, 29.4966, 31.9248 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, 82, 150) }
```


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

```
.border{ border-color:rgb(255, 82, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7623, 29.4966, 31.9248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 150) }
```

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

```
.background{ background-color: rgb(255, 82,  
150) }
```

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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