

Converting Colors

XYZ(49.7492, 28.7189, 31.7775)

Have a look what the booklet for
XYZ(49.7492, 28.7189, 31.7775)
contains.

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Color

**XYZ(49.2611, 28.4942,
31.7577)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4B96
RGB	255, 75, 150
RGB Percent	100%, 29%, 59%
CMY	0.0000, 0.7058, 0.4118
CMYK	0.00, 0.71, 0.41, 0.00
HSL	335°, 100%, 65%
HSV	335°, 71%, 100%
XYZ	49.2611, 28.4942, 31.7577
YIQ	137.3700, 83.2050, 61.4850

Conversions

Conversions Part 2

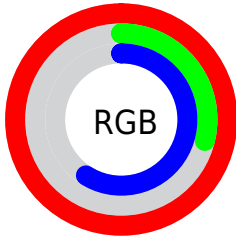
Format	Color
R_{YB}	255, 75, 150
Decimal	16731030
CIE Lab	60.33, 72.61, -1.03
CIE LCh	60, 72.617, 359.189
Yxy	28.4942, 0.4498, 0.2602
Android (android.graphics.Color)	4294921110 (0xFFFF4B96)
YUV	137.3700, 6.2266, 103.1615
Hunter-Lab	53.3800, 71.3118, 2.0922

Details

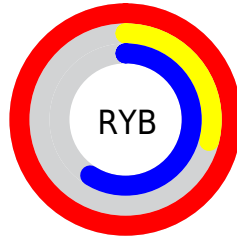
The XYZ color **49.2611, 28.4942, 31.7577** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **46.9019, 76.3120, 55.4438**, and the grayscale version is **23.8748, 25.1181, 27.3537**.

A 20% lighter version of the original color is **60.9432, 43.2280, 62.2585**, and **24.2445, 12.2383, 12.8888** is the 20% darker color. If you saturate the color by 10%, you get **46.7417, 25.2524, 25.3783**, and if you desaturate by 10%, it is **52.6266, 33.1849, 39.1699**.

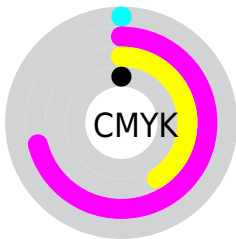
Distribution



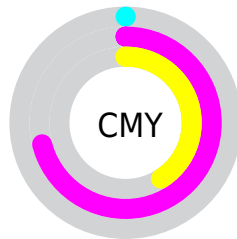
- Red (100%)
- Green (29%)
- Blue (59%)



- Red (100%)
- Yellow (29%)
- Blue (59%)



- Cyan (0%)
- Magenta (71%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2611, 28.4942, 31.7577 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 49.2611, 28.4942, 31.7577 by changing the saturation by 10% instead.


 49.2611, 28.4942,
31.7577


 49.2611, 28.4942,
31.7577

374.2692,
294.8209, 324.4727


 35.0420, 18.6985,
20.9132


 88.2775, 57.2725,
63.5245


 23.8619, 11.4526,
12.8700

 113.8056, 77.0239,
85.2840

 15.3554, 6.3722,
7.2094


 143.8340,
100.8627, 111.5188

 9.1571, 3.0727,
3.5130

 178.7282,
129.1732, 142.6475

 4.9017, 1.1698,
1.3622

218.8534,
162.3399, 179.0887

 2.2239, 0.0368,
0.1119

264.5751,

 0.7553, 0.0000,

200.7472, 221.2610

0.0000

316.2586,
244.7794, 269.5828

■ 0.0000, 0.0000,
0.0000

■ 49.2611, 28.4942,
31.7577

■ 49.2611, 28.4942,
31.7577

■ 46.7417, 25.2524,
25.3783

■ 52.6266, 33.1849,
39.1699

■ 44.9721, 23.2758,
19.9709

■ 56.9153, 39.4699,
47.6665

■ 43.8540, 22.3056,
15.6954

■ 62.1974, 47.4817,
57.2963

■ 68.5356, 57.3374,
68.1043

■ 75.9869, 69.1441,
80.1327

84.6044, 83.0004,
93.4213

94.4375, 98.9984,
108.0078

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.



45.5879, 28.4942, 65.4646



49.2611, 28.4942, 31.7577



45.9479, 28.4942, 12.1144

Triad

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



49.2611, 28.4942, 31.7577



19.2451, 28.4942, 4.3198



18.8972, 28.4942, 99.3372

Complementary

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



49.2611, 28.4942, 31.7577



46.9019, 76.3120, 55.4438

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.



14.2506, 28.4942, 63.4157



49.2611, 28.4942, 31.7577



14.4166, 28.4942, 11.4544

Square

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



49.2611, 28.4942, 31.7577



27.3374, 28.4942, 2.7951



12.8185, 28.4942, 30.3043



26.8299, 28.4942, 115.9170

Rectangle

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



49.2611, 28.4942, 31.7577



40.5744, 28.4942, 6.1284



12.8185, 28.4942, 30.3043



16.9724, 28.4942, 88.3876

Sweetspot

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



49.2619, 28.4958, 31.7582



75.6538, 68.6122, 79.6070



39.3904, 21.9577, 96.7697



15.7310, 13.9501, 16.3047



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.



49.2619, 28.4958, 31.7582



45.8740, 24.2354, 22.8741



46.1674, 29.0823, 9.8389



18.3233, 18.1126, 20.3194



22.9850, 11.6833, 8.5713



2.2909, 1.1587, 1.1133

Inverse Universe

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



49.2619, 28.4958, 31.7582



45.8740, 24.2354, 22.8741



52.1129, 71.0370, 105.5725



18.3233, 18.1126, 20.3194



22.9850, 11.6833, 8.5713



2.2909, 1.1587, 1.1133

Previews

White Background



This preview shows how the XYZ color 49.2611, 28.4942, 31.7577 looks on a white background.

Color Contrast Check

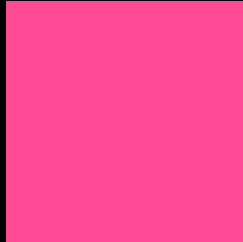
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2611, 28.4942, 31.7577 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 49.2611, 28.4942, 31.7577

Background



This preview shows how black text looks on a background with the XYZ color 49.2611, 28.4942, 31.7577.



This preview shows how white text looks on a background with the XYZ color 49.2611, 28.4942,

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

49.2611, 28.4942, 31.7577

Protanopia

29.1146, 28.7023, 54.4577

Deuteranopia

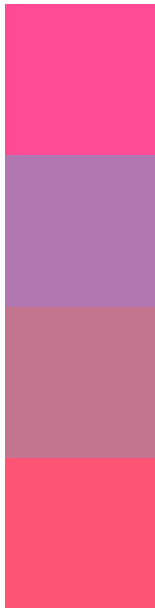
29.0305, 28.5499, 29.1799



Tritanopia

45.3764, 28.4621, 13.6918

Trichromacy



Original Color

49.2611, 28.4942, 31.7577

Protanomaly

32.6641, 25.7151, 44.8369

Deuteranomaly

33.9010, 26.3383, 29.6826

Tritanomaly

46.3525, 28.2510, 18.9295

Monochromacy



Original Color

49.2611, 28.4942, 31.7577

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

29.7222, 23.6909, 28.5975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2611, 28.4942, 31.7577 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, 75, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 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, 75, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.2611, 28.4942, 31.7577 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, 75, 150) }
```


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

```
.border{ border-color:rgb(255, 75, 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, 75, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2611, 28.4942, 31.7577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 150) }
```

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

```
.background{ background-color: rgb(255, 75,  
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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