

Converting Colors

XYZ(48.9648, 28.5416, 29.6867)

Have a look what the booklet for
XYZ(48.9648, 28.5416, 29.6867)
contains.

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Color

**XYZ(49.0047, 28.6121,
29.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D91
RGB	255, 77, 145
RGB Percent	100%, 30%, 57%
CMY	0.0000, 0.6980, 0.4314
CMYK	0.00, 0.70, 0.43, 0.00
HSL	337°, 100%, 65%
HSV	337°, 70%, 100%
XYZ	49.0047, 28.6121, 29.7279
YIQ	137.9740, 84.2600, 58.8840

Conversions

Conversions Part 2

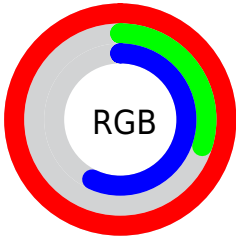
Format	Color
RYB	255, 77, 145
Decimal	16731537
CIELab	60.44, 71.46, 2.04
CIElCh	60, 71.487, 1.637
Yxy	28.6121, 0.4565, 0.2665
Android (android.graphics.Color)	4294921617 (0xFFFF4D91)
YUV	137.9740, 3.4638, 102.6318
Hunter-Lab	53.4903, 69.9234, 4.4920

Details

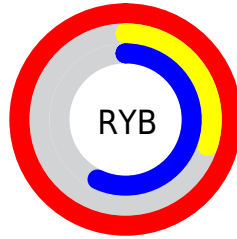
The XYZ color **49.0047, 28.6121, 29.7279** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **47.7922, 76.6864, 59.3029**, and the grayscale version is **24.1140, 25.3698, 27.6277**.

A 20% lighter version of the original color is **60.4945, 43.2748, 59.1973**, and **24.0579, 12.1637, 11.9063** is the 20% darker color. If you saturate the color by 10%, you get **46.4247, 25.2640, 23.2826**, and if you desaturate by 10%, it is **52.4536, 33.4283, 37.2950**.

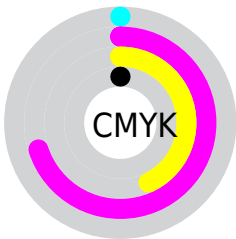
Distribution



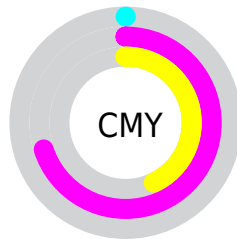
- Red (100%)
- Green (30%)
- Blue (57%)



- Red (100%)
- Yellow (30%)
- Blue (57%)



- Cyan (0%)
- Magenta (70%)
- Yellow (43%)
- Black (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0047, 28.6121, 29.7279 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 49.0047, 28.6121, 29.7279 by changing the saturation by 10% instead.


 49.0047, 28.6121,
29.7279


 49.0047, 28.6121,
29.7279


373.2775,
295.3803, 314.8018

 34.8378, 18.7876,
19.3819


 87.8991, 57.4602,
60.2875


 23.7039, 11.5169,
11.7669


 113.3573, 77.2526,
81.3382

 15.2376, 6.4156,
6.4646


 143.3099,
101.1364, 106.7941

 9.0737, 3.0994,
3.0562

 178.1224,
129.4960, 137.0738

 4.8468, 1.1839,
1.1234

218.1600,
162.7158, 172.5959

 2.1915, 0.0485,
0.0000

263.7882,

 0.7382, 0.0000,

201.1802, 213.7789

0.0000

315.3722,
245.2736, 261.0414

■ 0.0000, 0.0000,
0.0000

■ 49.0047, 28.6121,
29.7279

■ 49.0047, 28.6121,
29.7279

■ 46.4247, 25.2640,
23.2826

■ 52.4536, 33.4283,
37.2950

■ 44.6174, 23.2024,
17.8923

■ 56.8485, 39.8565,
46.0410

■ 43.4370, 22.1477,
13.4722

■ 62.2604, 48.0284,
56.0201

■ 43.4166, 22.1306,
13.3921

■ 68.7522, 58.0607,
67.2822

■ 76.3816, 70.0601,
79.8741

85.2023, 84.1249,
93.8403

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.



45.9351, 28.6121, 61.9768



49.0047, 28.6121, 29.7279



45.2216, 28.6121, 11.4101

Triad

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



49.0047, 28.6121, 29.7279



18.9264, 28.6121, 4.8560



19.6226, 28.6121, 100.4460

Complementary

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



49.0047, 28.6121, 29.7279



47.7922, 76.6864, 59.3029

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.



14.7364, 28.6121, 66.0296



49.0047, 28.6121, 29.7279



14.4029, 28.6121, 12.7429

Square

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



49.0047, 28.6121, 29.7279



26.6924, 28.6121, 2.9888



13.0606, 28.6121, 32.6244



27.7037, 28.6121, 114.2732

Rectangle

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



49.0047, 28.6121, 29.7279



39.7274, 28.6121, 5.9127



13.0606, 28.6121, 32.6244



17.6215, 28.6121, 90.2085

Sweetspot

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



49.0055, 28.6137, 29.7284



75.4038, 68.5123, 78.2907



41.1422, 23.0653, 96.8911



15.6720, 13.9265, 15.9939



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.



49.0055, 28.6137, 29.7284



45.5775, 24.2527, 20.8939



46.9267, 30.4896, 10.4351



18.2965, 18.1019, 20.1784



22.7532, 11.5906, 7.3508



2.2667, 1.1490, 0.9858

Inverse Universe

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



49.0055, 28.6137, 29.7284



45.5775, 24.2527, 20.8939



50.6011, 67.7775, 105.0229



18.2965, 18.1019, 20.1784



22.7532, 11.5906, 7.3508



2.2667, 1.1490, 0.9858

Previews

White Background



This preview shows how the XYZ color 49.0047, 28.6121, 29.7279 looks on a white background.

Color Contrast Check

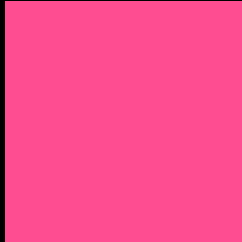
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0047, 28.6121, 29.7279 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 49.0047, 28.6121, 29.7279

Background



This preview shows how black text looks on a background with the XYZ color 49.0047, 28.6121, 29.7279.



This preview shows how white text looks on a background with the XYZ color 49.0047, 28.6121,

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

49.0047, 28.6121, 29.7279

Protanopia

28.9895, 28.7259, 50.4711

Deuteranopia

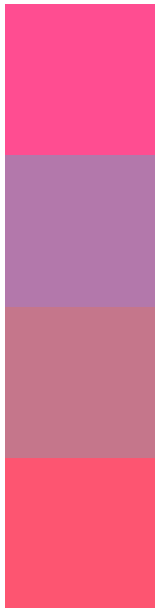
29.2787, 28.7198, 27.2929



Tritanopia

45.7376, 28.6484, 13.7087

Trichromacy



Original Color

49.0047, 28.6121, 29.7279

Protanomaly

32.6576, 25.9569, 41.8170

Deuteranomaly

34.1646, 26.6913, 27.7774

Tritanomaly

46.7371, 28.5719, 18.6744

Monochromacy



Original Color

49.0047, 28.6121, 29.7279

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

30.1092, 24.2376, 28.2907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0047, 28.6121, 29.7279 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, 77, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 145)  
}
```

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, 77, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 145) }
```

Border

The CSS property to change the border of an element to XYZ 49.0047, 28.6121, 29.7279 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, 77, 145) }
```


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

```
.border{ border-color:rgb(255, 77, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 77, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 77, 145); box-shadow:4px 4px 4px 4px rgb(255, 77, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0047, 28.6121, 29.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 145) }
```

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

```
.background{ background-color: rgb(255, 77,  
145) }
```

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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