

Converting Colors

XYZ(47.7732, 27.5441, 35.8354)

Have a look what the booklet for
XYZ(47.7732, 27.5441, 35.8354)
contains.

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Color

**XYZ(47.8609, 27.5754,
36.0577)**

Conversions

Conversions Part 1

Format	Color
Hex	F94AA0
RGB	249, 74, 160
RGB Percent	98%, 29%, 63%
CMY	0.0235, 0.7098, 0.3725
CMYK	0.00, 0.70, 0.36, 0.02
HSL	331°, 94%, 63%
HSV	331°, 70%, 98%
XYZ	47.8609, 27.5754, 36.0577
YIQ	136.1290, 76.6940, 63.8460

Conversions

Conversions Part 2

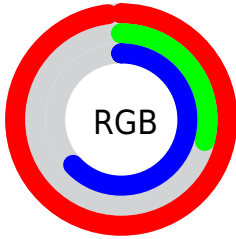
Format	Color
RYB	249, 74, 160
Decimal	16337568
CIELab	59.50, 72.34, -8.19
CIELCh	60, 72.805, 353.539
Yxy	27.5754, 0.4293, 0.2473
Android (android.graphics.Color)	4294527648 (0xFFFF94AA0)
YUV	136.1290, 11.7684, 98.9879
Hunter-Lab	52.5123, 70.7925, -3.9530

Details

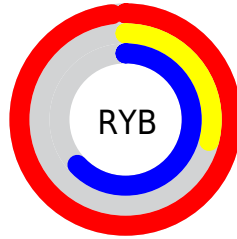
The XYZ color **47.8609, 27.5754, 36.0577** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.3125, 71.8525, 46.2416**, and the grayscale version is **23.3890, 24.6070, 26.7970**.

A 20% lighter version of the original color is **62.1697, 43.4942, 69.4085**, and **23.4994, 11.7955, 15.5062** is the 20% darker color. If you saturate the color by 10%, you get **45.4628, 24.4629, 30.0679**, and if you desaturate by 10%, it is **51.0308, 32.0508, 42.8620**.

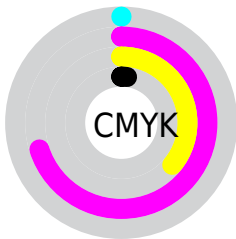
Distribution



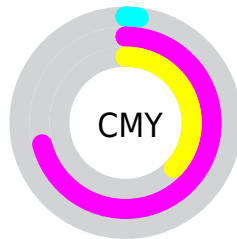
- Red (98%)
- Green (29%)
- Blue (63%)



- Red (98%)
- Yellow (29%)
- Blue (63%)



- Cyan (0%)
- Magenta (70%)
- Yellow (36%)
- Black (2%)





- Cyan (2%)
- Magenta (71%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8609, 27.5754, 36.0577 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 47.8609, 27.5754, 36.0577 by changing the saturation by 10% instead.

 47.8609, 27.5754,
36.0577


 47.8609, 27.5754,
36.0577

368.8323,
290.4324, 344.2577


 33.9275, 18.0058,
24.1887


 86.2082, 55.8058,
70.2912


 23.0006, 10.9542,
15.2602


 111.3529, 75.2355,
93.4927

 14.7146, 6.0360,
8.8535


 140.9653, 98.7206,
121.3089

 8.7044, 2.8670,
4.5503


 175.4110,
126.6456, 154.1582

 4.6044, 1.0627,
1.9318

215.0551,
159.3949, 192.4592

 2.0494, 0.0000,
0.5129

260.2632,

 0.6615, 0.0000,

197.3529, 236.6304

0.0000

311.4004,
240.9039, 287.0904

■ 0.0000, 0.0000,
0.0000

■ 47.8609, 27.5754,
36.0577

■ 47.8609, 27.5754,
36.0577

■ 45.4628, 24.4629,
30.0679

■ 51.0308, 32.0508,
42.8620

■ 43.7481, 22.5418,
24.8460


■ 55.0427, 38.0245,
50.5195

■ 42.6021, 21.5538,
20.4438


■ 59.9610, 45.6203,
59.0671

■ 65.8429, 54.9478,
68.5386

■ 72.7408, 66.1071,
78.9655

 80.7029, 79.1904,
90.3777

 89.7744, 94.2838,
102.8034

 92.8770, 98.8798,
108.7983

Harmonies

Analogous

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



43.0545, 27.5754, 71.0145



47.8609, 27.5754, 36.0577



45.8693, 27.5754, 14.0651

Triad

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



47.8609, 27.5754, 36.0577



19.7935, 27.5754, 3.4736



17.0845, 27.5754, 91.4972

Complementary

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



47.8609, 27.5754, 36.0577



43.3125, 71.8525, 46.2416

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.



13.1646, 27.5754, 54.9723



47.8609, 27.5754, 36.0577



14.4553, 27.5754, 8.9353

Square

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



47.8609, 27.5754, 36.0577



28.2391, 27.5754, 2.6330



12.3287, 27.5754, 24.7056



24.2797, 27.5754, 113.0515

Rectangle

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



47.8609, 27.5754, 36.0577



41.1402, 27.5754, 6.9754



12.3287, 27.5754, 24.7056



15.4146, 27.5754, 79.8124

Sweetspot

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



47.8617, 27.5769, 36.0582



76.2026, 68.8318, 82.4969



34.3485, 19.3683, 91.5507



15.8609, 14.0020, 16.9890



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.



47.8617, 27.5769, 36.0582



47.2188, 24.9092, 29.5368



42.7529, 25.5334, 9.1556



17.6001, 17.3674, 19.7501



22.8756, 11.5660, 11.3194



2.1721, 1.0926, 1.3296

Inverse Universe

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



47.8617, 27.5769, 36.0582



47.2188, 24.9092, 29.5368



53.7995, 76.0473, 101.4657



17.6001, 17.3674, 19.7501



22.8756, 11.5660, 11.3194



2.1721, 1.0926, 1.3296

Previews

White Background



This preview shows how the XYZ color 47.8609, 27.5754, 36.0577 looks on a white background.

Color Contrast Check

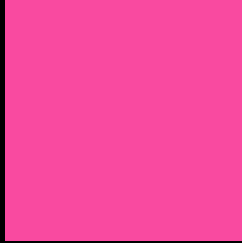
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.8609, 27.5754, 36.0577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

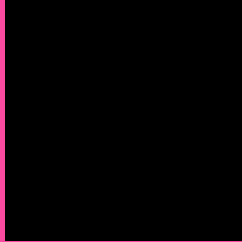
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.8609, 27.5754, 36.0577

Background



This preview shows how black text looks on a background with the XYZ color 47.8609, 27.5754, 36.0577.



This preview shows how white text looks on a background with the XYZ color 47.8609, 27.5754,

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

47.8609, 27.5754, 36.0577

Protanopia

29.0046, 28.0389, 61.6409

Deuteranopia

28.1450, 27.5696, 33.1162



Tritanopia

43.0757, 27.3900, 14.0828

Trichromacy



Original Color

47.8609, 27.5754, 36.0577



Protanomaly

31.9088, 24.8317, 51.2553



Deuteranomaly

32.9497, 25.4134, 33.7405



Tritanomaly

44.5061, 27.2654, 20.3698

Monochromacy



Original Color

47.8609, 27.5754, 36.0577



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

29.1474, 23.2017, 29.7302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8609, 27.5754, 36.0577 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(249, 74, 160)` looks like.

```
.text, #text, p{  
    color:rgb(249, 74, 160)  
}
```

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(249, 74, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 74, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.8609, 27.5754, 36.0577 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(249, 74, 160) }
```


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

```
.border{ border-color:rgb(249, 74, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 74, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 74, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 74, 160);  
box-shadow:4px 4px 4px 4px rgb(249, 74,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8609, 27.5754, 36.0577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 74, 160) }
```

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

```
.background{ background-color: rgb(249, 74,  
160) }
```

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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