

Converting Colors

XYZ(48.8801, 27.4112, 32.6202)

Have a look what the booklet for
XYZ(48.8801, 27.4112, 32.6202)
contains.

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Color

**XYZ(48.8557, 27.4234,
32.4240)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4298
RGB	255, 66, 152
RGB Percent	100%, 26%, 60%
CMY	0.0000, 0.7411, 0.4039
CMYK	0.00, 0.74, 0.40, 0.00
HSL	333°, 100%, 63%
HSV	333°, 74%, 100%
XYZ	48.8557, 27.4234, 32.4240
YIQ	132.3150, 85.0380, 66.8140

Conversions

Conversions Part 2

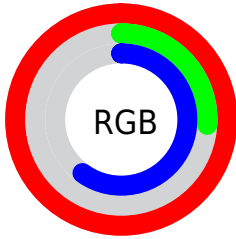
Format	Color
R _Y B	255, 66, 152
Decimal	16728728
CIE Lab	59.36, 75.68, -3.62
CIE LCh	59, 75.765, 357.263
Yxy	27.4234, 0.4494, 0.2523
Android (android.graphics.Color)	4294918808 (0xFFFF4298)
YUV	132.3150, 9.7047, 107.5947
Hunter-Lab	52.3674, 74.8873, -0.0531

Details

The XYZ color **48.8557, 27.4234, 32.4240** 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 **45.1702, 75.5437, 49.7429**, and the grayscale version is **21.9923, 23.1376, 25.1969**.

A 20% lighter version of the original color is **60.2308, 41.4167, 63.2122**, and **24.3413, 12.2770, 13.3987** is the 20% darker color. If you saturate the color by 10%, you get **46.6110, 24.6503, 26.3851**, and if you desaturate by 10%, it is **51.8986, 31.5796, 39.3875**.

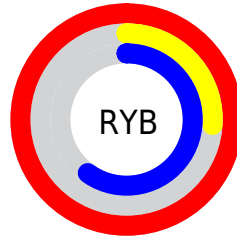
Distribution



Red (100%)

Green (26%)

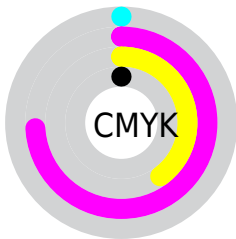
Blue (60%)



Red (100%)

Yellow (26%)

Blue (60%)

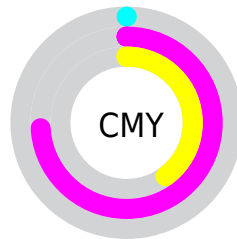


Cyan (0%)

Magenta (74%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (74%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8557, 27.4234, 32.4240 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 48.8557, 27.4234, 32.4240 by changing the saturation by 10% instead.


 48.8557, 27.4234,
32.4240

 48.8557, 27.4234,
32.4240


372.7004,
289.7013, 327.5983


 34.7191, 17.8915,
21.4181


 87.6791, 55.5625,
64.5808

 23.6121, 10.8721,
13.2357


 113.0966, 74.9385,
86.5688


 15.1693, 5.9809,
7.4584


 143.0051, 98.3647,
113.0545

 9.0254, 2.8335,
3.6677

 177.7700,
126.2254, 144.4565

 4.8150, 1.0454,
1.4449

 217.7566,
158.9050, 181.1933

 2.1727, 0.0000,
0.1763

263.3303,

 0.7283, 0.0000,

196.7879, 223.6835

0.0000

314.8564,
240.2586, 272.3457

■ 0.0000, 0.0000,
0.0000

■ 48.8557, 27.4234,
32.4240

■ 48.8557, 27.4234,
32.4240

■ 46.6110, 24.6503,
26.3851

■ 51.8986, 31.5796,
39.3875

■ 45.0620, 23.0624,
21.2133

■ 55.8202, 37.2725,
47.3233

■ 44.3937, 22.5215,
18.5372

■ 60.6927, 44.6402,
56.2762

■ 66.5799, 53.8039,
66.2872

■ 73.5399, 64.8736,
77.3945

81.6261, 77.9502,
89.6342

90.8884, 93.1277,
103.0403

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.



44.6125, 27.4234, 67.9488



48.8557, 27.4234, 32.4240



45.8705, 27.4234, 11.7551

Triad

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



48.8557, 27.4234, 32.4240



18.5717, 27.4234, 3.3371



17.3940, 27.4234, 98.8664

Complementary

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



48.8557, 27.4234, 32.4240



45.1702, 75.5437, 49.7429

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.



12.9821, 27.4234, 60.7446



48.8557, 27.4234, 32.4240



13.5371, 27.4234, 9.5837

Square

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



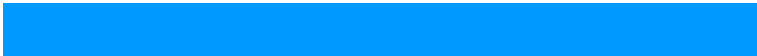
48.8557, 27.4234, 32.4240



26.9459, 27.4234, 2.1742



11.7625, 27.4234, 27.4338



25.2038, 27.4234, 118.3169

Rectangle

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



48.8557, 27.4234, 32.4240



40.5044, 27.4234, 5.5805



11.7625, 27.4234, 27.4338



15.5439, 27.4234, 86.9968

Sweetspot

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



48.8565, 27.4249, 32.4245



75.1527, 67.4658, 79.8848



35.8943, 19.3123, 96.4435



15.6446, 13.7318, 16.4164



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.



48.8565, 27.4249, 32.4245



45.7743, 23.7400, 23.7529



44.5613, 26.3287, 7.8895



18.3530, 18.1245, 20.4763



23.2698, 11.7972, 10.0711



2.3200, 1.1704, 1.2664

Inverse Universe

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



48.8565, 27.4249, 32.4245



45.7743, 23.7400, 23.7529



54.0807, 75.9450, 106.4162



18.3530, 18.1245, 20.4763



23.2698, 11.7972, 10.0711



2.3200, 1.1704, 1.2664

Previews

White Background



This preview shows how the XYZ color 48.8557, 27.4234, 32.4240 looks on a white background.

Color Contrast Check

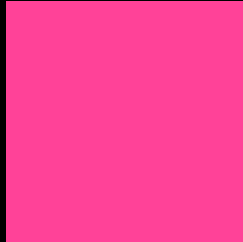
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8557, 27.4234, 32.4240 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 48.8557, 27.4234, 32.4240

Background



This preview shows how black text looks on a background with the XYZ color 48.8557, 27.4234, 32.4240.



This preview shows how white text looks on a background with the XYZ color 48.8557, 27.4234,

32.4240.

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

48.8557, 27.4234, 32.4240

Protanopia

28.5544, 27.6555, 58.4766

Deuteranopia

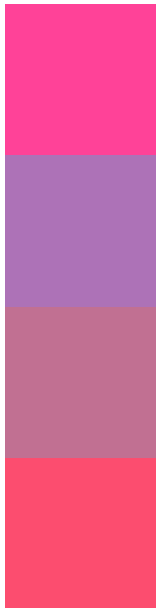
28.0952, 27.6165, 29.8363



Tritanopia

44.6384, 27.4003, 12.1686

Trichromacy



Original Color

48.8557, 27.4234, 32.4240

Protanomaly

31.7981, 24.3378, 47.8215

Deuteranomaly

32.9748, 25.0011, 30.2819

Tritanomaly

45.6680, 27.1509, 17.8726

Monochromacy



Original Color

48.8557, 27.4234, 32.4240

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

28.1542, 21.9363, 27.1763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8557, 27.4234, 32.4240 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 152) }
```

Border

The CSS property to change the border of an element to XYZ 48.8557, 27.4234, 32.4240 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, 152) }
```


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

```
.border{ border-color:rgb(255, 66, 152) }
```

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, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8557, 27.4234, 32.4240 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, 152) }
```

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

```
.background{ background-color: rgb(255, 66,  
152) }
```

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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