

Converting Colors

XYZ(49.1805, 32.6385, 24.2479)

Have a look what the booklet for
XYZ(49.1805, 32.6385, 24.2479)
contains.

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Color

**XYZ(49.2989, 32.7693,
24.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6B80
RGB	252, 107, 128
RGB Percent	99%, 42%, 50%
CMY	0.0118, 0.5804, 0.4980
CMYK	0.00, 0.58, 0.49, 0.01
HSL	351°, 96%, 70%
HSV	351°, 58%, 99%
XYZ	49.2989, 32.7693, 24.1489
YIQ	152.7490, 79.6790, 37.2710

Conversions

Conversions Part 2

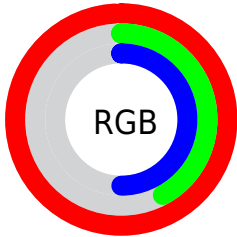
Format	Color
R _Y B	252, 107, 128
Decimal	16542592
CIE Lab	63.97, 57.02, 16.82
CIE LCh	64, 59.448, 16.439
Yxy	32.7693, 0.4641, 0.3085
Android (android.graphics.Color)	4294732672 (0xFFFC6B80)
YUV	152.7490, -12.2013, 87.0431
Hunter-Lab	57.2445, 53.5462, 15.0593

Details

The XYZ color **49.2989, 32.7693, 24.1489** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.2996, 78.5170, 87.8473**, and the grayscale version is **30.1974, 31.7700, 34.5976**.

A 20% lighter version of the original color is **62.6777, 50.7906, 50.2161**, and **23.7871, 13.7929, 8.8057** is the 20% darker color. If you saturate the color by 10%, you get **45.7727, 27.7511, 16.7026**, and if you desaturate by 10%, it is **53.8934, 39.4421, 33.4381**.

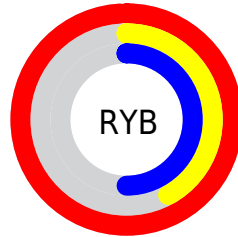
Distribution



Red (99%)

Green (42%)

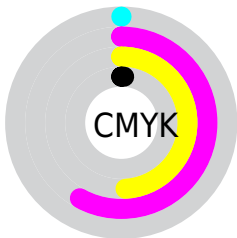
Blue (50%)



Red (99%)

Yellow (42%)

Blue (50%)

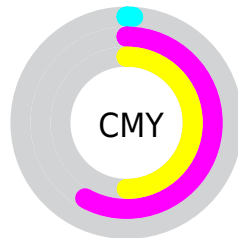


Cyan (0%)

Magenta (58%)

Yellow (49%)

Black (1%)



Cyan (1%)


Magenta (58%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2989, 32.7693, 24.1489 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 49.2989, 32.7693, 24.1489 by changing the saturation by 10% instead.


 49.2989, 32.7693,
24.1489


 49.2989, 32.7693,
24.1489

374.4153,
314.6089, 286.8832


 35.0722, 21.9498,
15.2309


 88.3333, 64.0152,
51.2199


 23.8852, 13.8200,
8.8332


 113.8716, 85.2103,
70.2101

 15.3728, 7.9956,
4.5372

 143.9112,
110.6328, 93.3946

 9.1694, 4.0921,
1.9244

 178.8174,
140.6670, 121.1922

 4.9099, 1.7252,
0.5082

218.9556,
175.6973, 154.0213

 2.2287, 0.4399,
0.0000

264.6910,

 0.7578, 0.0000,

216.1081, 192.3005

0.0000

316.3892,
262.2839, 236.4482

■ 0.0000, 0.0000,
0.0000

■ 49.2989, 32.7693,
24.1489

■ 49.2989, 32.7693,
24.1489

■ 45.7727, 27.7511,
16.7026

■ 53.8934, 39.4421,
33.4381

■ 43.2243, 24.2373,
10.9732

■ 59.6316, 47.8920,
44.6811

■ 41.5525, 22.0596,
6.8215

■ 66.5848, 58.2359,
57.9818

■ 40.6265, 20.9959,
4.0827

■ 74.8180, 70.5793,
73.4365

■ 40.4707, 20.8258,
3.5950

■ 84.3912, 85.0199,
91.1352

93.9548, 99.4354,
108.8487

Harmonies

Analogous

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



49.5839, 32.7693, 47.6322



49.2989, 32.7693, 24.1489



43.6229, 32.7693, 11.5984

Triad

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



49.2989, 32.7693, 24.1489



20.8678, 32.7693, 12.3905



27.5185, 32.7693, 101.9726

Complementary

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



49.2989, 32.7693, 24.1489



55.2996, 78.5170, 87.8473

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.



21.3091, 32.7693, 80.6577



49.2989, 32.7693, 24.1489



17.9609, 32.7693, 25.9161

Square

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



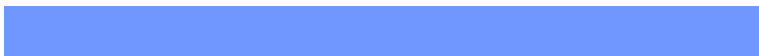
49.2989, 32.7693, 24.1489



26.8050, 32.7693, 7.1978



18.1064, 32.7693, 50.3984



35.9326, 32.7693, 100.7693

Rectangle

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



49.2989, 32.7693, 24.1489



38.0417, 32.7693, 7.8935



18.1064, 32.7693, 50.3984



25.1388, 32.7693, 96.9022

Sweetspot

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



49.2997, 32.7711, 24.1495



77.3413, 73.2303, 76.3377



55.5430, 34.4099, 95.8097



16.1640, 15.0875, 15.6121



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.



49.2997, 32.7711, 24.1495



46.5650, 27.8694, 16.1620



54.9843, 46.1275, 19.9177



17.3470, 17.2661, 18.4169



21.1135, 10.8611, 2.0401



1.9853, 1.0179, 0.3463

Inverse Universe

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



49.2997, 32.7711, 24.1495



46.5650, 27.8694, 16.1620



44.5807, 52.0458, 99.7915



17.3470, 17.2661, 18.4169



21.1135, 10.8611, 2.0401



1.9853, 1.0179, 0.3463

Previews

White Background



This preview shows how the XYZ color 49.2989, 32.7693, 24.1489 looks on a white background.

Color Contrast Check

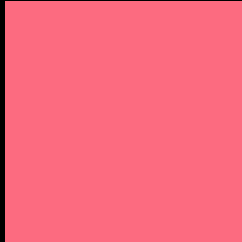
Large Text (above 18pt) WCAG AA × Fail

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 49.2989, 32.7693, 24.1489 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 ✓ Pass

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

XYZ 49.2989, 32.7693, 24.1489

Background



This preview shows how black text looks on a background with the XYZ color 49.2989, 32.7693, 24.1489.



This preview shows how white text looks on a background with the XYZ color 49.2989, 32.7693,

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

49.2989, 32.7693, 24.1489

Protanopia

31.6869, 33.0806, 34.4209

Deuteranopia

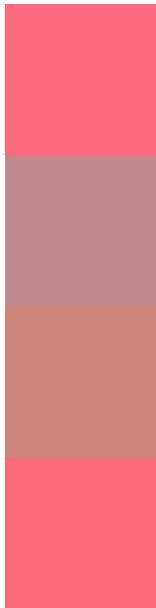
33.4900, 32.8205, 22.6590



Tritanopia

48.4047, 32.7075, 20.2850

Trichromacy



Original Color

49.2989, 32.7693, 24.1489

Protanomaly

36.0387, 31.4976, 30.1668

Deuteranomaly

37.8953, 31.7708, 23.2039

Tritanomaly

48.5364, 32.5904, 21.5017

Monochromacy



Original Color

49.2989, 32.7693, 24.1489

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.8245, 30.4408, 30.4258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2989, 32.7693, 24.1489 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(252, 107, 128)` looks like.

```
.text, #text, p{  
    color:rgb(252, 107, 128)  
}
```

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(252, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 107, 128) }
```

Border

The CSS property to change the border of an element to XYZ 49.2989, 32.7693, 24.1489 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(252, 107, 128) }
```


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

```
.border{ border-color:rgb(252, 107, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 107, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 107, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 107, 128);  
box-shadow:4px 4px 4px 4px rgb(252, 107,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2989, 32.7693, 24.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 107, 128) }
```

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

```
.background{ background-color: rgb(252,  
107, 128) }
```

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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