

# Converting Colors

XYZ(50.5290, 32.5823, 27.4272)

Have a look what the booklet for  
XYZ(50.5290, 32.5823, 27.4272)  
contains.

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# Color

**XYZ(50.5067, 32.5689,  
27.2913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6689
RGB	255, 102, 137
RGB Percent	100%, 40%, 54%
CMY	0.0000, 0.6000, 0.4627
CMYK	0.00, 0.60, 0.46, 0.00
HSL	346°, 100%, 70%
HSV	346°, 60%, 100%
XYZ	50.5067, 32.5689, 27.2913
YIQ	151.7370, 79.9530, 43.3210

# Conversions

## Conversions Part 2

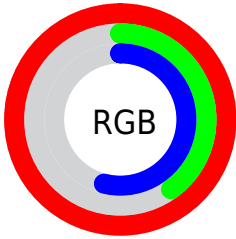
Format	Color
R <sub>Y</sub> B	255, 102, 137
Decimal	16737929
CIE Lab	63.81, 60.98, 11.50
CIE LCh	64, 62.052, 10.683
Yxy	32.5689, 0.4576, 0.2951
Android (android.graphics.Color)	4294928009 (0xFFFF6689)
YUV	151.7370, -7.2653, 90.5617
Hunter-Lab	57.0692, 58.1030, 11.5951

# Details

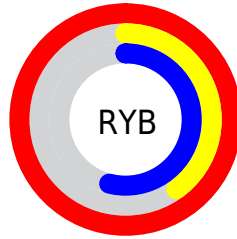
The XYZ color **50.5067, 32.5689, 27.2913** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.1598, 79.5128, 80.2089**, and the grayscale version is **29.7392, 31.2880, 34.0726**.

A 20% lighter version of the original color is **62.9324, 49.7740, 55.0056**, and **24.5406, 13.6815, 10.3642** is the 20% darker color. If you saturate the color by 10%, you get **47.0900, 27.7915, 19.8148**, and if you desaturate by 10%, it is **54.9527, 38.9936, 36.3802**.

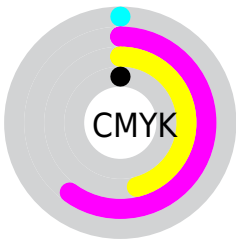
# Distribution



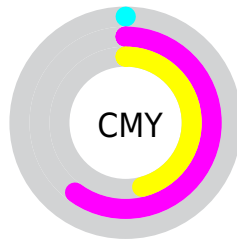
- Red (100%)
- Green (40%)
- Blue (54%)



- Red (100%)
- Yellow (40%)
- Blue (54%)



- Cyan (0%)
- Magenta (60%)
- Yellow (46%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5067, 32.5689, 27.2913 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 50.5067, 32.5689, 27.2913 by changing the saturation by 10% instead.





 50.5067, 32.5689,  
27.2913


 50.5067, 32.5689,  
27.2913


379.0635,  
313.7027, 302.8695


 36.0356, 21.7964,  
17.5577


 90.1125, 63.7019,  
56.3604


 24.6319, 13.7074,  
10.4668


 115.9780, 84.8312,  
76.5330

 15.9303, 7.9174,  
5.5999


 146.3722,  
110.1815, 101.0223

 9.5654, 4.0422,  
2.5385

 181.6607,  
140.1373, 130.2470

 5.1718, 1.6972,  
0.8605

222.2087,  
175.0829, 164.6255

 2.3842, 0.4218,  
0.0000

268.3816,

 0.8372, 0.0000,

215.4027, 204.5764

0.0000

320.5447,  
261.4812, 250.5182

■ 0.0000, 0.0000,  
0.0000

■ 50.5067, 32.5689,  
27.2913

■ 50.5067, 32.5689,  
27.2913

■ 47.0900, 27.7915,  
19.8148

■ 54.9527, 38.9936,  
36.3802

■ 44.6129, 24.5039,  
13.8509

■ 60.5024, 47.1933,  
47.1692

■ 42.9735, 22.5272,  
9.2905

■ 67.2260, 57.2894,  
59.7416

■ 42.0121, 21.5690,  
5.9961

■ 75.1871, 69.3909,  
74.1743

■ 42.0118, 21.5687,  
5.9950

■ 84.4447, 83.5985,  
90.5399

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



49.6075, 32.5689, 53.8163



50.5067, 32.5689, 27.2913



45.4754, 32.5689, 12.4810

# Triad

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



50.5067, 32.5689, 27.2913



21.2697, 32.5689, 10.1045



25.7387, 32.5689, 102.7349

# Complementary

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



50.5067, 32.5689, 27.2913



54.1598, 79.5128, 80.2089

# 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.



19.9113, 32.5689, 76.8291



50.5067, 32.5689, 27.2913



17.6858, 32.5689, 21.8421

# Square

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



50.5067, 32.5689, 27.2913



27.9531, 32.5689, 6.1239



17.2402, 32.5689, 45.1196



34.1661, 32.5689, 106.5805



# Rectangle

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



50.5067, 32.5689, 27.2913



39.9035, 32.5689, 7.9236



17.2402, 32.5689, 45.1196



23.4568, 32.5689, 95.8947

# Sweetspot

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



50.5075, 32.5707, 27.2919



76.9301, 72.0560, 77.2849



52.1066, 31.8315, 98.0052



15.9262, 14.5975, 15.5772



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.



50.5075, 32.5707, 27.2919



46.5215, 27.0186, 18.5020



53.4321, 41.8064, 17.8260



18.1795, 18.0551, 19.5625



21.9986, 11.2887, 3.3770



2.1814, 1.1149, 0.5367



# Inverse Universe

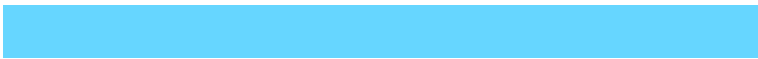
The Inverse Universe completely reimagines the original color for something new.



50.5075, 32.5707, 27.2919



46.5215, 27.0186, 18.5020



47.6283, 58.2408, 103.3388



18.1795, 18.0551, 19.5625



21.9986, 11.2887, 3.3770



2.1814, 1.1149, 0.5367



# Previews

## White Background



This preview shows how the XYZ color 50.5067, 32.5689, 27.2913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

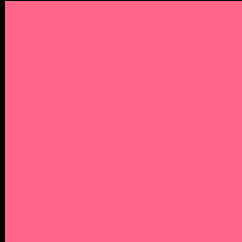
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5067, 32.5689, 27.2913 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 50.5067, 32.5689, 27.2913**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5067, 32.5689, 27.2913.



This preview shows how white text looks on a background with the XYZ color 50.5067, 32.5689,



# 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

50.5067, 32.5689, 27.2913

### Protanopia

31.8647, 32.7964, 40.2482

### Deuteranopia

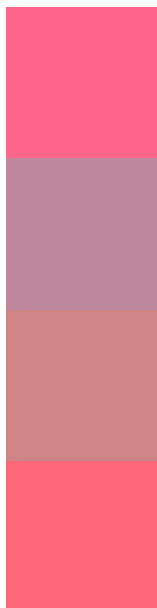
33.3671, 32.6903, 25.6703



## Tritanopia

48.6427, 32.3830, 19.3096

# Trichromacy



## Original Color

50.5067, 32.5689, 27.2913

## Protanomaly

36.0662, 30.7709, 35.0488

## Deuteranomaly

38.2170, 31.4614, 26.2487

## Tritanomaly

49.4375, 32.5791, 22.0951

# Monochromacy



## Original Color

50.5067, 32.5689, 27.2913

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

34.7778, 29.9756, 31.5566

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5067, 32.5689, 27.2913 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, 102, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 137)  
}
```

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, 102, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5067, 32.5689, 27.2913 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, 102, 137) }
```



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

```
.border{ border-color:rgb(255, 102, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5067, 32.5689, 27.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 137) }
```

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

```
.background{ background-color: rgb(255,  
102, 137) }
```

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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