

# Converting Colors

XYZ(48.6934, 32.8258, 28.6773)

Have a look what the booklet for  
XYZ(48.6934, 32.8258, 28.6773)  
contains.

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# Color

**XYZ(48.6673, 32.8195,  
28.5807)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F76E8C
RGB	247, 110, 140
RGB Percent	97%, 43%, 55%
CMY	0.0314, 0.5686, 0.4510
CMYK	0.00, 0.55, 0.43, 0.03
HSL	347°, 90%, 70%
HSV	347°, 55%, 97%
XYZ	48.6673, 32.8195, 28.5807
YIQ	154.3830, 72.0220, 38.3740

# Conversions

## Conversions Part 2

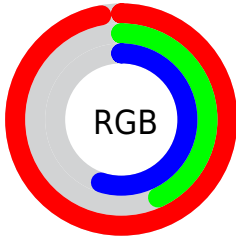
Format	Color
R <sub>Y</sub> B	247, 110, 140
Decimal	16215692
CIE Lab	64.01, 55.12, 9.90
CIE LCh	64, 56.001, 10.182
Yxy	32.8195, 0.4422, 0.2982
Android (android.graphics.Color)	4294405772 (0xFFFF76E8C)
YUV	154.3830, -7.0908, 81.2251
Hunter-Lab	57.2883, 51.3840, 10.5225

# Details

The XYZ color **48.6673, 32.8195, 28.5807** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.2174, 74.8470, 77.3453**, and the grayscale version is **30.8927, 32.5015, 35.3942**.

A 20% lighter version of the original color is **64.5019, 52.3827, 57.1633**, and **23.4143, 13.8156, 11.1055** is the 20% darker color. If you saturate the color by 10%, you get **45.0638, 27.6931, 20.9658**, and if you desaturate by 10%, it is **53.2645, 39.5341, 37.7579**.

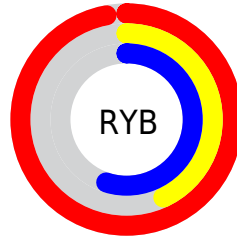
# Distribution



Red (97%)

Green (43%)

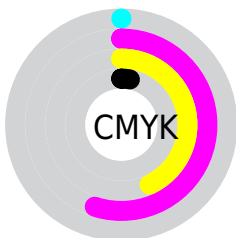
Blue (55%)



Red (97%)

Yellow (43%)

Blue (55%)

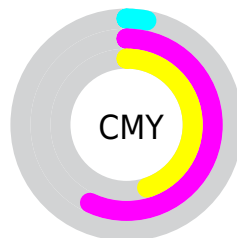


Cyan (0%)

Magenta (55%)

Yellow (43%)

Black (3%)



Cyan (3%)

Magenta (57%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6673, 32.8195, 28.5807 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 48.6673, 32.8195, 28.5807 by changing the saturation by 10% instead.





 48.6673, 32.8195,  
28.5807

 48.6673, 32.8195,  
28.5807


371.9698,  
314.8356, 309.2302


 34.5691, 21.9882,  
18.5210


 87.4008, 64.0936,  
58.4444

 23.4961, 13.8482,  
11.1514


 112.7668, 85.3052,  
79.0856

 15.0829, 8.0152,  
6.0533


 142.6195,  
110.7458, 104.0910

 8.9643, 4.1047,  
2.8082

177.3241,  
140.7996, 133.8791

 4.7748, 1.7323,  
0.9976

217.2461,  
175.8511, 168.8686

 2.1492, 0.4444,  
0.0000

262.7508,

 0.7157, 0.0000,

216.2846, 209.4779

0.0000

314.2036,  
262.4847, 256.1256

■ 0.0000, 0.0000,  
0.0000

■ 48.6673, 32.8195,  
28.5807

■ 48.6673, 32.8195,  
28.5807

■ 45.0638, 27.6931,  
20.9658

■ 53.2645, 39.5341,  
37.7579

■ 42.3750, 24.0177,  
14.8216

■ 58.9209, 47.9489,  
48.5778

■ 40.5135, 21.6414,  
10.0493

■ 65.6995, 58.1716,  
61.1175

■ 39.3722, 20.3753,  
6.5357

■ 73.6576, 70.2996,  
75.4484

■ 39.0253, 20.0412,  
5.3110

■ 82.8482, 84.4231,  
91.6380

92.1676, 98.5141,  
108.7651

# Harmonies

## Analogous

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



47.7841, 32.8195, 52.6124



48.6673, 32.8195, 28.5807



44.3027, 32.8195, 14.3685

# Triad

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



48.6673, 32.8195, 28.5807



22.3810, 32.8195, 11.7325



26.3207, 32.8195, 94.3004

# Complementary

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



48.6673, 32.8195, 28.5807



52.2174, 74.8470, 77.3453

# 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.



20.9655, 32.8195, 71.8097



48.6673, 32.8195, 28.5807



18.9712, 32.8195, 22.9183

# Square

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



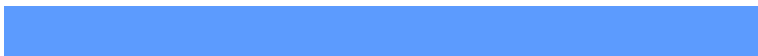
48.6673, 32.8195, 28.5807



28.5841, 32.8195, 7.7365



18.5010, 32.8195, 43.9931



33.9580, 32.8195, 97.9596



# Rectangle

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



48.6673, 32.8195, 28.5807



39.3761, 32.8195, 9.7148



18.5010, 32.8195, 43.9931



24.2319, 32.8195, 88.3499

# Sweetspot

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



48.6682, 32.8212, 28.5813



77.7660, 73.4001, 78.5740



50.3999, 32.3214, 91.5777



16.2630, 15.1271, 16.1339



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.



48.6682, 32.8212, 28.5813



47.9073, 29.0181, 21.3443



51.5348, 41.6245, 20.0724



16.6476, 16.5419, 17.8910



20.6821, 10.6163, 3.0346



1.8546, 0.9478, 0.4606



# Inverse Universe

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



48.6682, 32.8212, 28.5813



47.9073, 29.0181, 21.3443



46.3824, 56.3558, 96.4286



16.6476, 16.5419, 17.8910



20.6821, 10.6163, 3.0346



1.8546, 0.9478, 0.4606



# Previews

## White Background



This preview shows how the XYZ color 48.6673, 32.8195, 28.5807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

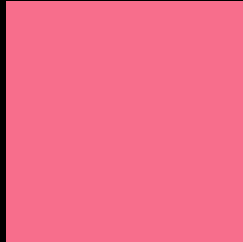
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.6673, 32.8195, 28.5807 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 48.6673, 32.8195, 28.5807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.6673, 32.8195, 28.5807.



This preview shows how white text looks on a background with the XYZ color 48.6673, 32.8195,



# 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

48.6673, 32.8195, 28.5807

### Protanopia

32.2232, 33.2272, 40.3125

### Deuteranopia

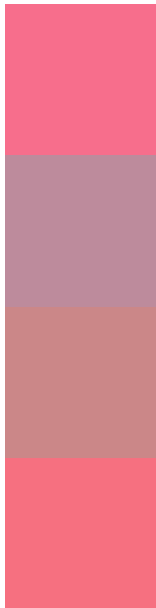
33.5695, 32.9989, 27.1544



## Tritanopia

47.3624, 32.7836, 21.9207

# Trichromacy



## Original Color

48.6673, 32.8195, 28.5807

## Protanomaly

36.2196, 31.6844, 35.6592

## Deuteranomaly

37.7365, 31.8020, 27.4420

## Tritanomaly

47.6965, 32.7397, 24.2276

# Monochromacy



## Original Color

48.6673, 32.8195, 28.5807

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

35.2523, 31.0383, 32.5668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6673, 32.8195, 28.5807 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(247, 110, 140)` looks like.

```
.text, #text, p{  
    color:rgb(247, 110, 140)  
}
```

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(247, 110, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 110, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6673, 32.8195, 28.5807 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(247, 110, 140) }
```



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

```
.border{ border-color:rgb(247, 110, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 110, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 110, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 110, 140);  
box-shadow:4px 4px 4px 4px rgb(247, 110,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6673, 32.8195, 28.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 110, 140) }
```

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

```
.background{ background-color: rgb(247,  
110, 140) }
```

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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