

# Converting Colors

XYZ(51.2593, 35.0337, 24.5836)

Have a look what the booklet for  
XYZ(51.2593, 35.0337, 24.5836)  
contains.

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# Color

**XYZ(51.2670, 35.0800,  
24.4911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7380
RGB	255, 115, 128
RGB Percent	100%, 45%, 50%
CMY	0.0000, 0.5490, 0.4980
CMYK	0.00, 0.55, 0.50, 0.00
HSL	354°, 100%, 73%
HSV	354°, 55%, 100%
XYZ	51.2670, 35.0800, 24.4911
YIQ	158.3420, 79.2670, 33.7230

# Conversions

## Conversions Part 2

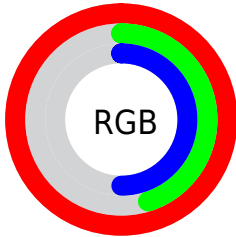
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 115, 128
Decimal	16741248
CIE <sub>Lab</sub>	65.81, 54.38, 19.42
CIE <sub>LCh</sub>	66, 57.739, 19.656
Yxy	35.0800, 0.4625, 0.3165
Android (android.graphics.Color)	4294931328 (0xFFFF7380)
YUV	158.3420, -14.9586, 84.7691
Hunter-Lab	59.2284, 50.8567, 16.9433

# Details

The XYZ color **51.2670, 35.0800, 24.4911** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.8593, 81.5764, 96.6538**, and the grayscale version is **32.6966, 34.3993, 37.4609**.

A 20% lighter version of the original color is **64.1434, 53.7220, 50.7047**, and **24.9676, 15.0299, 8.9823** is the 20% darker color. If you saturate the color by 10%, you get **47.3977, 29.5068, 16.5262**, and if you desaturate by 10%, it is **56.2892, 42.4038, 34.5533**.

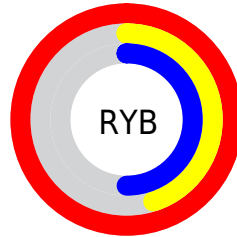
# Distribution



Red (100%)

Green (45%)

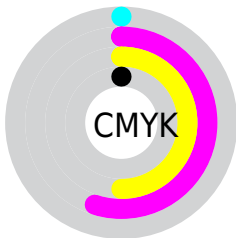
Blue (50%)



Red (100%)

Yellow (45%)

Blue (50%)

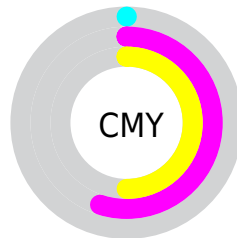


Cyan (0%)

Magenta (55%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (55%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2670, 35.0800, 24.4911 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 51.2670, 35.0800, 24.4911 by changing the saturation by 10% instead.





 51.2670, 35.0800,  
24.4911

 51.2670, 35.0800,  
24.4911


381.9708,  
324.9213, 288.6601

 36.6430, 23.7245,  
15.4828


 91.2300, 67.6097,  
51.7843

 25.1036, 15.1294,  
9.0085


 117.2997, 89.5527,  
70.9062

 16.2834, 8.9102,  
4.6498


 147.9154,  
115.7936, 94.2363

 9.8171, 4.6827,  
1.9882

183.4424,  
146.7169, 122.1933

 5.3392, 2.0623,  
0.5480

224.2461,  
182.7069, 155.1956

 2.4844, 0.6433,  
0.0000


270.6918,


 0.8874, 0.0000,


224.1480, 193.6619

0.0000


323.1450,  
271.4247, 238.0105


 0.0000, 0.0000,  
0.0000

 51.2670, 35.0800,  
24.4911


 51.2670, 35.0800,  
24.4911


 47.3977, 29.5068,  
16.5262


 56.2892, 42.4038,  
34.5533


 44.5866, 25.5328,  
10.5080


 62.5437, 51.6019,  
46.8450


 42.7284, 22.9905,  
6.2692

 70.1058, 62.7933,  
61.4898

 41.6942, 21.6721,  
3.6123

 79.0440, 76.0856,  
78.6017

 41.4013, 21.3245,  
2.7800

 89.4222, 91.5787,  
98.2870

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



52.1892, 35.0800, 47.2529



51.2670, 35.0800, 24.4911



45.1091, 35.0800, 12.4395

# Triad

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



51.2670, 35.0800, 24.4911



22.3525, 35.0800, 15.1663



30.4872, 35.0800, 105.4160

# Complementary

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



51.2670, 35.0800, 24.4911



58.8593, 81.5764, 96.6538

# 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.



23.8237, 35.0800, 86.2604



51.2670, 35.0800, 24.4911



19.6863, 35.0800, 30.3775

# Square

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



51.2670, 35.0800, 24.4911



28.1312, 35.0800, 8.8634



20.1746, 35.0800, 56.2461



39.1606, 35.0800, 101.5857



# Rectangle

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



51.2670, 35.0800, 24.4911



39.3668, 35.0800, 8.9364



20.1746, 35.0800, 56.2461



27.9664, 35.0800, 101.2161

# Sweetspot

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



51.2679, 35.0819, 24.4917



77.9903, 74.5157, 76.5929



60.4574, 38.1842, 98.7912



16.2815, 15.3365, 15.6082



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.



51.2679, 35.0819, 24.4917



47.0381, 28.9936, 15.7707



58.8987, 51.6256, 23.0827



18.0778, 18.0144, 19.0270



21.6559, 11.1517, 1.5727



2.1305, 1.0946, 0.2689



# Inverse Universe

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



51.2679, 35.0819, 24.4917



47.0381, 28.9936, 15.7707



45.5454, 51.7137, 102.1886



18.0778, 18.0144, 19.0270



21.6559, 11.1517, 1.5727



2.1305, 1.0946, 0.2689



# Previews

## White Background



This preview shows how the XYZ color 51.2670, 35.0800, 24.4911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

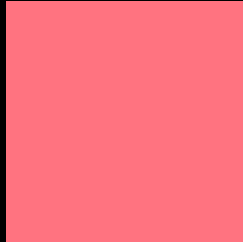
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2670, 35.0800, 24.4911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

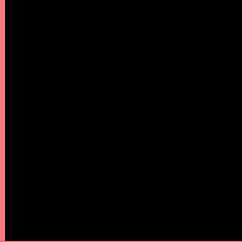
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.2670, 35.0800, 24.4911**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2670, 35.0800, 24.4911.



This preview shows how white text looks on a background with the XYZ color 51.2670, 35.0800,



# 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

51.2670, 35.0800, 24.4911

### Protanopia

33.8017, 35.4506, 33.9153

### Deuteranopia

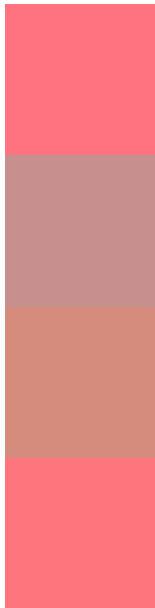
36.0547, 35.3352, 23.3324



## Tritanopia

51.1235, 35.2060, 23.1697

# Trichromacy



## Original Color

51.2670, 35.0800, 24.4911

## Protanomaly

38.1444, 33.9053, 30.1251

## Deuteranomaly

40.4567, 34.3575, 23.5681

## Tritanomaly

51.1871, 35.2315, 23.5045

# Monochromacy



## Original Color

51.2670, 35.0800, 24.4911

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

36.9318, 32.7900, 31.9864

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2670, 35.0800, 24.4911 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, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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(255, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2670, 35.0800, 24.4911 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, 115, 128) }
```



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

```
.border{ border-color:rgb(255, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2670, 35.0800, 24.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 128) }
```

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

```
.background{ background-color: rgb(255,  
115, 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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