

# Converting Colors

XYZ(51.2360, 35.4925, 23.0176)

Have a look what the booklet for  
XYZ(51.2360, 35.4925, 23.0176)  
contains.

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# Color

**XYZ(51.1764, 35.4126,  
22.8769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF757B
RGB	255, 117, 123
RGB Percent	100%, 46%, 48%
CMY	0.0000, 0.5411, 0.5176
CMYK	0.00, 0.54, 0.52, 0.00
HSL	357°, 100%, 73%
HSV	357°, 54%, 100%
XYZ	51.1764, 35.4126, 22.8769
YIQ	158.9460, 80.3220, 31.1220

# Conversions

## Conversions Part 2

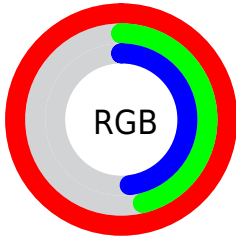
Format	Color
R <sub>Y</sub> B	255, 117, 123
Decimal	16741755
CIE Lab	66.07, 53.02, 22.60
CIE LCh	66, 57.639, 23.084
Yxy	35.4126, 0.4675, 0.3235
Android (android.graphics.Color)	4294931835 (0xFFFF757B)
YUV	158.9460, -17.7214, 84.2394
Hunter-Lab	59.5085, 49.3675, 18.8630

# Details

The XYZ color **51.1764, 35.4126, 22.8769** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **60.1970, 82.1422, 102.3105**, and the grayscale version is **32.9839, 34.7016, 37.7900**.

A 20% lighter version of the original color is **63.9214, 54.2423, 47.6582**, and **24.9510, 15.2771, 8.1123** is the 20% darker color. If you saturate the color by 10%, you get **47.2580, 29.7227, 14.9527**, and if you desaturate by 10%, it is **56.2860, 42.8764, 33.0753**.

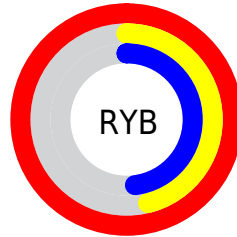
# Distribution



Red (100%)

Green (46%)

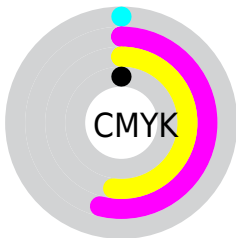
Blue (48%)



Red (100%)

Yellow (46%)

Blue (48%)

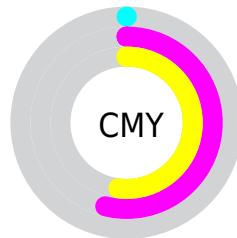


Cyan (0%)

Magenta (54%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1764, 35.4126, 22.8769 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 51.1764, 35.4126, 22.8769 by changing the saturation by 10% instead.





 51.1764, 35.4126,  
22.8769


 51.1764, 35.4126,  
22.8769

381.6251,  
326.3858, 280.1935


 36.5706, 23.9809,  
14.2982


 91.0969, 68.1245,  
49.1117

 25.0474, 15.3194,  
8.1872


 117.1424, 90.1734,  
67.6050

 16.2413, 9.0439,  
4.1255

 147.7317,  
116.5302, 90.2401

 9.7870, 4.7698,  
1.6944

183.2304,  
147.5792, 117.4357

 5.3191, 2.1128,  
0.3569

224.0037,  
183.7049, 149.6103

 2.4724, 0.6718,  
0.0000

270.4171,

 0.8813, 0.0000,

225.2916, 187.1824

0.0000

322.8357,  
272.7238, 230.5707

■ 0.0000, 0.0000,  
0.0000

■ 51.1764, 35.4126,  
22.8769

■ 51.1764, 35.4126,  
22.8769

■ 47.2580, 29.7227,  
14.9527

■ 56.2860, 42.8764,  
33.0753

■ 44.4318, 25.6546,  
9.1268

■ 62.6698, 52.2385,  
45.7020

■ 42.5878, 23.0408,  
5.2003

■ 70.4065, 63.6185,  
60.8999

■ 41.5909, 21.6739,  
2.9356

■ 79.5675, 77.1248,  
78.8003

■ 41.3007, 21.2842,  
2.2503

■ 90.2195, 92.8578,  
99.5254

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.



52.7764, 35.4126, 44.5150



51.1764, 35.4126, 22.8769



44.5398, 35.4126, 11.8224

# Triad

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



51.1764, 35.4126, 22.8769



22.1434, 35.4126, 16.6159



31.7161, 35.4126, 106.8019

# Complementary

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



51.1764, 35.4126, 22.8769



60.1970, 82.1422, 102.3105

# 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.



24.7118, 35.4126, 89.8337



51.1764, 35.4126, 22.8769



19.8248, 35.4126, 33.1582

# Square

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



51.1764, 35.4126, 22.8769



27.6110, 35.4126, 9.4256



20.6783, 35.4126, 60.1412



40.5305, 35.4126, 100.1786



# Rectangle

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



51.1764, 35.4126, 22.8769



38.6765, 35.4126, 8.7638



20.6783, 35.4126, 60.1412



29.0947, 35.4126, 103.4919

# Sweetspot

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



51.1773, 35.4145, 22.8775



77.7282, 74.4108, 75.2127



63.1590, 39.9192, 98.9837



16.2200, 15.3119, 15.2846



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.



51.1773, 35.4145, 22.8775



46.9652, 29.2992, 14.3548



60.5922, 54.8265, 24.2212



18.0413, 17.9998, 18.8349



21.5943, 11.1270, 1.2481



2.1133, 1.0877, 0.1781



# Inverse Universe

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



51.1773, 35.4145, 22.8775



46.9652, 29.2992, 14.3548



44.4358, 49.0997, 101.7425



18.0413, 17.9998, 18.8349



21.5943, 11.1270, 1.2481



2.1133, 1.0877, 0.1781



# Previews

## White Background



This preview shows how the XYZ color 51.1764, 35.4126, 22.8769 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 51.1764, 35.4126, 22.8769 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 51.1764, 35.4126, 22.8769**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.1764, 35.4126, 22.8769.



This preview shows how white text looks on a background with the XYZ color 51.1764, 35.4126,



# 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

51.1764, 35.4126, 22.8769

### Protanopia

33.7533, 35.4801, 31.4549

### Deuteranopia

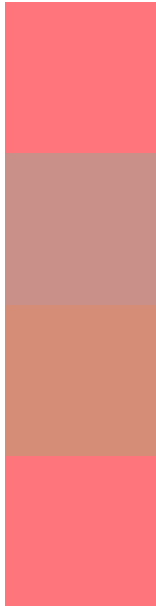
36.2523, 35.4719, 21.7657



## Tritanopia

51.3030, 35.4632, 23.5432

# Trichromacy



## Original Color

51.1764, 35.4126, 22.8769

## Protanomaly

38.2366, 34.0035, 27.8406

## Deuteranomaly

40.5862, 34.6778, 22.0071

## Tritanomaly

51.2394, 35.4378, 23.2084

# Monochromacy



## Original Color

51.1764, 35.4126, 22.8769

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

37.4097, 33.4912, 31.6869

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1764, 35.4126, 22.8769 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, 117, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 123)  
}
```

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, 117, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1764, 35.4126, 22.8769 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, 117, 123) }
```



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

```
.border{ border-color:rgb(255, 117, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1764, 35.4126, 22.8769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 123) }
```

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

```
.background{ background-color: rgb(255,  
117, 123) }
```

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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