

# Converting Colors

XYZ(51.3866, 36.1049, 22.0926)

Have a look what the booklet for  
XYZ(51.3866, 36.1049, 22.0926)  
contains.

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# Color

**XYZ(51.3466, 36.0490,  
22.0212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7878
RGB	255, 120, 120
RGB Percent	100%, 47%, 47%
CMY	0.0000, 0.5294, 0.5294
CMYK	0.00, 0.53, 0.53, 0.00
HSL	0°, 100%, 74%
HSV	0°, 53%, 100%
XYZ	51.3466, 36.0490, 22.0212
YIQ	160.3650, 80.4600, 28.6200

# Conversions

## Conversions Part 2

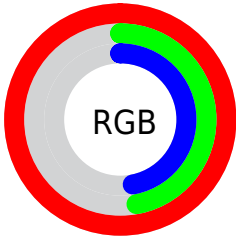
Format	Color
R <sub>Y</sub> B	255, 120, 120
Decimal	16742520
CIE Lab	66.56, 51.37, 24.94
CIE LCh	67, 57.104, 25.900
Yxy	36.0490, 0.4693, 0.3295
Android (android.graphics.Color)	4294932600 (0xFFFF7878)
YUV	160.3650, -19.8999, 82.9949
Hunter-Lab	60.0408, 47.5808, 20.2828

# Details

The XYZ color **51.3466, 36.0490, 22.0212** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **61.5533, 82.7281, 107.3312**, and the grayscale version is **33.6463, 35.3985, 38.5490**.

A 20% lighter version of the original color is **64.0164, 54.8985, 46.2522**, and **25.1102, 15.7018, 7.8382** is the 20% darker color. If you saturate the color by 10%, you get **47.3309, 30.1734, 14.0374**, and if you desaturate by 10%, it is **56.5924, 43.7258, 32.4482**.

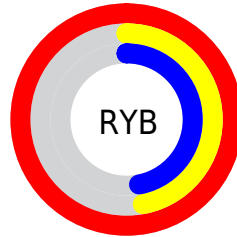
# Distribution



Red (100%)

Green (47%)

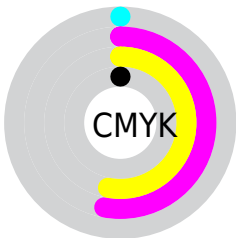
Blue (47%)



Red (100%)

Yellow (47%)

Blue (47%)

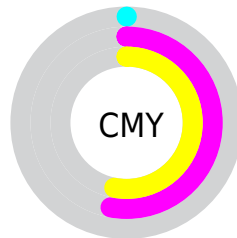


Cyan (0%)

Magenta (53%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3466, 36.0490, 22.0212 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 51.3466, 36.0490, 22.0212 by changing the saturation by 10% instead.





 51.3466, 36.0490,  
22.0212


 51.3466, 36.0490,  
22.0212


382.2744,  
329.1747, 275.6141

 36.7067, 24.4720,  
13.6740


 91.3468, 69.1077,  
47.6837

 25.1531, 15.6842,  
7.7581

 117.4379, 91.3582,  
65.8360

 16.3205, 9.3009,  
3.8550


 148.0767,  
117.9354, 88.0939

 9.8435, 4.9380,  
1.5462

183.6286,  
149.2236, 114.8757

 5.3568, 2.2109,  
0.2520

224.4590,  
185.6072, 146.6001

 2.4950, 0.7259,  
0.0000

270.9331,

 0.8927, 0.0000,

227.4707, 183.6856

0.0000

323.4165,  
275.1984, 226.5508

■ 0.0000, 0.0000,  
0.0000

■ 51.3466, 36.0490,  
22.0212

■ 51.3466, 36.0490,  
22.0212

■ 47.3309, 30.1734,  
14.0374

■ 56.5924, 43.7258,  
32.4482

■ 44.4428, 25.9472,  
8.2963

■ 63.1545, 53.3281,  
45.4933

■ 42.5677, 23.2033,  
4.5691

■ 71.1145, 64.9759,  
61.3174

■ 41.5655, 21.7366,  
2.5772

■ 80.5467, 78.7778,  
80.0682

■ 41.2399, 21.2602,  
1.9300

■ 91.5199, 94.8347,  
101.8827

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.



53.4902, 36.0490, 42.7264



51.3466, 36.0490, 22.0212



44.3681, 36.0490, 11.6894

# Triad

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



51.3466, 36.0490, 22.0212



22.3393, 36.0490, 18.2768



33.0977, 36.0490, 107.7404

# Complementary

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



51.3466, 36.0490, 22.0212



61.5533, 82.7281, 107.3312

# 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.



25.8229, 36.0490, 92.8031



51.3466, 36.0490, 22.0212



20.3037, 36.0490, 35.9698

# Square

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



51.3466, 36.0490, 22.0212



27.5517, 36.0490, 10.2470



21.4642, 36.0490, 63.7132



41.9854, 36.0490, 98.9271



# Rectangle

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



51.3466, 36.0490, 22.0212



38.4410, 36.0490, 8.9491



21.4642, 36.0490, 63.7132



30.4002, 36.0490, 105.2074

# Sweetspot

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



51.3475, 36.0509, 22.0218



77.5009, 74.3208, 74.0129



66.0063, 41.9130, 99.2184



16.1668, 15.2909, 15.0038



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.



51.3475, 36.0509, 22.0218



46.9736, 29.6504, 13.3268



62.5067, 58.3693, 25.7416



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

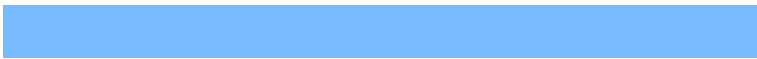
The Inverse Universe completely reimagines the original color for something new.



61.5533, 82.7281, 107.3312



58.2009, 80.9994, 107.1747



43.6724, 46.9664, 101.3709



18.5549, 20.4813, 23.2253



28.1146, 41.1388, 55.8934



2.7374, 4.0056, 5.4422



# Previews

## White Background



This preview shows how the XYZ color 51.3466, 36.0490, 22.0212 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

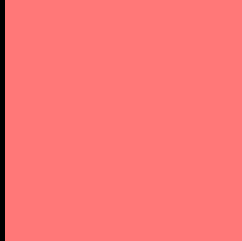
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3466, 36.0490, 22.0212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

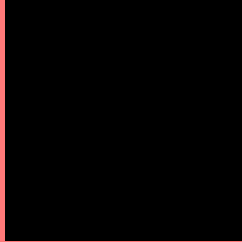
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.3466, 36.0490, 22.0212**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3466, 36.0490, 22.0212.



This preview shows how white text looks on a background with the XYZ color 51.3466, 36.0490,



# 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

51.3466, 36.0490, 22.0212

### Protanopia

34.1581, 36.2508, 29.6229

### Deuteranopia

36.7509, 35.9951, 20.9303



## Tritanopia

51.6676, 35.9860, 24.3015

# Trichromacy



## Original Color

51.3466, 36.0490, 22.0212

## Protanomaly

38.6860, 34.9509, 26.5370

## Deuteranomaly

41.1443, 35.2059, 21.1499

## Tritanomaly

51.4749, 35.9089, 23.2869

# Monochromacy



## Original Color

51.3466, 36.0490, 22.0212

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

37.7419, 33.8972, 31.3417

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3466, 36.0490, 22.0212 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, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 120)  
}
```

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, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3466, 36.0490, 22.0212 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, 120, 120) }
```



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

```
.border{ border-color:rgb(255, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 120, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 120, 120); box-shadow:4px 4px 4px 4px rgb(255, 120, 120) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3466, 36.0490, 22.0212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 120) }
```

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

```
.background{ background-color: rgb(255,  
120, 120) }
```

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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