

# Converting Colors

XYZ(51.1591, 31.7247, 36.6048)

Have a look what the booklet for  
XYZ(51.1591, 31.7247, 36.6048)  
contains.

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# Color

**XYZ(51.3104, 31.7933,  
36.6901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE5FA0
RGB	254, 95, 160
RGB Percent	100%, 37%, 63%
CMY	0.0039, 0.6274, 0.3725
CMYK	0.00, 0.63, 0.37, 0.00
HSL	335°, 99%, 68%
HSV	335°, 63%, 100%
XYZ	51.3104, 31.7933, 36.6901
YIQ	149.9510, 73.8990, 53.9230

# Conversions

## Conversions Part 2

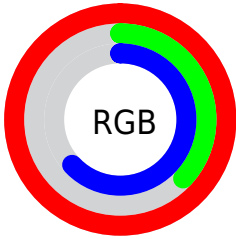
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	254, 95, 160
Decimal	16670624
CIE Lab	63.17, 65.87, -2.67
CIE LCh	63, 65.920, 357.677
Yxy	31.7933, 0.4283, 0.2654
Android (android.graphics.Color)	4294860704 (0xFFFE5FA0)
YUV	149.9510, 4.9542, 91.2510
Hunter-Lab	56.3855, 63.7589, 0.8899

# Details

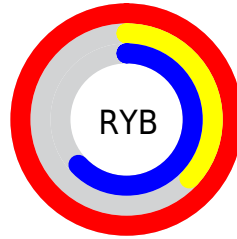
The XYZ color **51.3104, 31.7933, 36.6901** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **49.3483, 76.9915, 60.4088**, and the grayscale version is **28.9278, 30.4343, 33.1429**.

A 20% lighter version of the original color is **64.8970, 48.9488, 70.3176**, and **25.1920, 13.3203, 15.7113** is the 20% darker color. If you saturate the color by 10%, you get **48.1484, 27.4462, 29.5414**, and if you desaturate by 10%, it is **55.3784, 37.6983, 44.9243**.

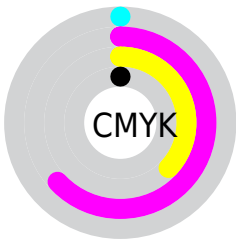
# Distribution



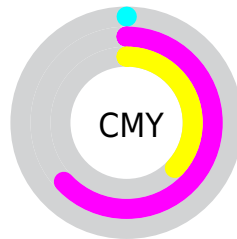
- Red (100%)
- Green (37%)
- Blue (63%)



- Red (100%)
- Yellow (37%)
- Blue (63%)



- Cyan (0%)
- Magenta (63%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (63%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3104, 31.7933, 36.6901 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 51.3104, 31.7933, 36.6901 by changing the saturation by 10% instead.




 51.3104, 31.7933,  
36.6901


 51.3104, 31.7933,  
36.6901


382.1364,  
310.1766, 347.0951

 36.6777, 21.2037,  
24.6737


 91.2937, 62.4869,  
71.2769


 25.1306, 13.2730,  
15.6173


 117.3750, 83.3597,  
94.6844

 16.3036, 7.6168,  
9.1024


 148.0033,  
108.4289, 122.7260

 9.8315, 3.8507,  
4.7103

 183.5439,  
138.0791, 155.8203

 5.3488, 1.5904,  
2.0226

224.3622,  
172.6946, 194.3859

 2.4902, 0.3511,  
0.5691

270.8234,

 0.8903, 0.0000,

212.6597, 238.8411

0.0000

323.2930,  
258.3589, 289.6047

■ 0.0000, 0.0000,  
0.0000

■ 51.3104, 31.7933,  
36.6901

■ 51.3104, 31.7933,  
36.6901

■ 48.1484, 27.4462,  
29.5414

■ 55.3784, 37.6983,  
44.9243

■ 45.8085, 24.4986,  
23.4216

■ 60.4206, 45.2890,  
54.2923

■ 44.1943, 22.7668,  
18.2695

■ 66.5012, 54.6860,  
64.8410

■ 43.3630, 22.0668,  
15.0250

■ 73.6781, 65.9970,  
76.6136

■ 82.0046, 79.3214,  
89.6510

91.5306, 94.7515,  
103.9921

94.6830, 99.8108,  
108.8828

# Harmonies

## Analogous

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



47.5640, 31.7933, 68.9535



51.3104, 31.7933, 36.6901



48.5308, 31.7933, 16.1569

# Triad

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



51.3104, 31.7933, 36.6901



22.7925, 31.7933, 6.4901



21.7890, 31.7933, 96.6470

# Complementary

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



51.3104, 31.7933, 36.6901



49.3483, 76.9915, 60.4088

# 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.



17.2122, 31.7933, 63.5290



51.3104, 31.7933, 36.6901



17.7044, 31.7933, 14.1298

# Square

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



51.3104, 31.7933, 36.6901



30.9339, 31.7933, 4.7970



15.8811, 31.7933, 32.6245



29.5144, 31.7933, 112.7976



# Rectangle

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



51.3104, 31.7933, 36.6901



43.6094, 31.7933, 9.2007



15.8811, 31.7933, 32.6245



19.8948, 31.7933, 86.5141

# Sweetspot

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



51.3113, 31.7950, 36.6907



77.2202, 71.1784, 81.8761



42.6609, 26.0020, 96.5363



16.0345, 14.4480, 16.7419



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.



51.3113, 31.7950, 36.6907



47.9364, 26.8495, 28.2189



48.3289, 32.6769, 14.5887



18.3172, 18.1102, 20.2874



22.9303, 11.6614, 8.2836



2.2852, 1.1565, 1.0835



# Inverse Universe

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



51.3113, 31.7950, 36.6907



47.9364, 26.8495, 28.2189



53.9912, 72.3522, 104.8856



18.3172, 18.1102, 20.2874



22.9303, 11.6614, 8.2836



2.2852, 1.1565, 1.0835



# Previews

## White Background



This preview shows how the XYZ color 51.3104, 31.7933, 36.6901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

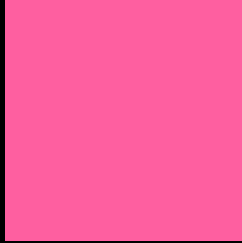
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3104, 31.7933, 36.6901 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 51.3104, 31.7933, 36.6901

## Background



This preview shows how black text looks on a background with the XYZ color 51.3104, 31.7933, 36.6901.



This preview shows how white text looks on a background with the XYZ color 51.3104, 31.7933,



# 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

51.3104, 31.7933, 36.6901

### Protanopia

32.3474, 32.1928, 56.7335

### Deuteranopia

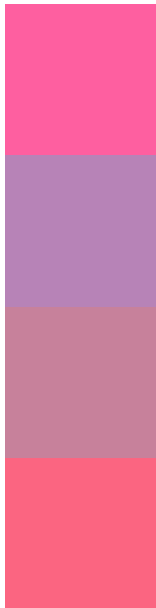
32.4058, 31.7716, 34.1303



## Tritanopia

47.4005, 31.5970, 18.9298

# Trichromacy



## Original Color

51.3104, 31.7933, 36.6901

## Protanomaly

36.1920, 29.7188, 48.6285

## Deuteranomaly

37.3198, 30.2092, 34.8743

## Tritanomaly

48.3998, 31.4016, 24.2790

# Monochromacy



## Original Color

51.3104, 31.7933, 36.6901

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

34.5544, 28.9897, 34.3462

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3104, 31.7933, 36.6901 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(254, 95, 160)` looks like.

```
.text, #text, p{  
    color:rgb(254, 95, 160)  
}
```

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(254, 95, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 95, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3104, 31.7933, 36.6901 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(254, 95, 160) }
```



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

```
.border{ border-color:rgb(254, 95, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 95, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 95, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 95, 160);  
box-shadow:4px 4px 4px 4px rgb(254, 95,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3104, 31.7933, 36.6901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 95, 160) }
```

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

```
.background{ background-color: rgb(254, 95,  
160) }
```

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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