

# Converting Colors

XYZ(51.7615, 27.6932, 50.4771)

Have a look what the booklet for  
XYZ(51.7615, 27.6932, 50.4771)  
contains.

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# Color

**XYZ(51.8395, 27.7625,  
50.7706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF38BD
RGB	255, 56, 189
RGB Percent	100%, 22%, 74%
CMY	0.0000, 0.7803, 0.2588
CMYK	0.00, 0.78, 0.26, 0.00
HSL	320°, 100%, 61%
HSV	320°, 78%, 100%
XYZ	51.8395, 27.7625, 50.7706
YIQ	130.6630, 75.9110, 83.5510

# Conversions

## Conversions Part 2

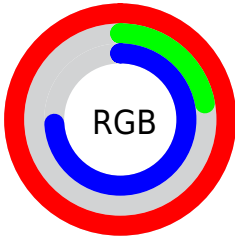
Format	Color
R <sub>Y</sub> B	255, 56, 189
Decimal	16726205
CIE Lab	59.67, 82.34, -24.62
CIE LCh	60, 85.940, 343.355
Yxy	27.7625, 0.3976, 0.2129
Android (android.graphics.Color)	4294916285 (0xFFFF38BD)
YUV	130.6630, 28.7601, 109.0435
Hunter-Lab	52.6901, 83.4106, -20.2469

# Details

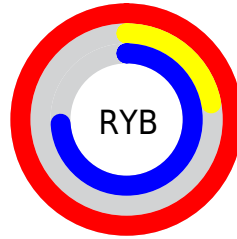
The XYZ color **51.8395, 27.7625, 50.7706** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **40.9054, 73.7667, 30.4993**, and the grayscale version is **21.3377, 22.4490, 24.4469**.

A 20% lighter version of the original color is **64.8044, 42.0185, 91.0810**, and **26.3655, 13.0867, 24.0580** is the 20% darker color. If you saturate the color by 10%, you get **50.0110, 25.5323, 45.7628**, and if you desaturate by 10%, it is **54.3515, 31.2739, 56.2709**.

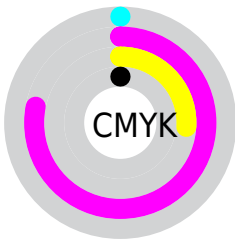
# Distribution



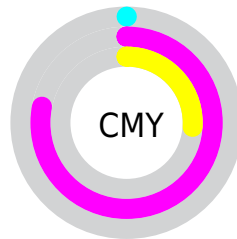
- Red (100%)
- Green (22%)
- Blue (74%)



- Red (100%)
- Yellow (22%)
- Blue (74%)



- Cyan (0%)
- Magenta (78%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (78%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8395, 27.7625, 50.7706 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 51.8395, 27.7625, 50.7706 by changing the saturation by 10% instead.




 51.8395, 27.7625,  
50.7706


 51.8395, 27.7625,  
50.7706


384.1508,  
291.3303, 406.4929


 37.1009, 18.1467,  
35.6506


 92.0701, 56.1050,  
92.7236


 25.4597, 11.0554,  
23.8769


 118.2929, 75.6006,  
120.3937


 16.5504, 6.1041,  
15.0310


 149.0744, 99.1581,  
153.0843

 10.0078, 2.9085,  
8.6943

 184.7800,  
127.1621, 191.2139

 5.4664, 1.0841,  
4.4482

 225.7751,  
159.9970, 235.2010

 2.5610, 0.0000,  
1.8743

272.4250,

 0.9261, 0.0000,

198.0470, 285.4642

0.4763

325.0952,  
241.6966, 342.4220

■ 0.0000, 0.0000,  
0.0000

■ 51.8395, 27.7625,  
50.7706

■ 51.8395, 27.7625,  
50.7706

■ 50.0110, 25.5323,  
45.7628

■ 54.3515, 31.2739,  
56.2709

■ 48.7490, 24.3507,  
41.2032

■ 57.6296, 36.2306,  
62.2949

■ 48.5357, 24.1783,  
40.3484

■ 61.7466, 42.7766,  
68.8714

■ 66.7659, 51.0373,  
76.0255

■ 72.7446, 61.1255,  
83.7803

■ 79.7347, 73.1443,  
92.1574

■ 87.7847, 87.1891,  
101.1765

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



43.4522, 27.7625, 97.7850



51.8395, 27.7625, 50.7706



52.3273, 27.7625, 18.4242

# Triad

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



51.8395, 27.7625, 50.7706



21.8571, 27.7625, 1.4001



13.9416, 27.7625, 92.5749

# Complementary

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



51.8395, 27.7625, 50.7706



40.9054, 73.7667, 30.4993

# 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.



10.8518, 27.7625, 46.2312



51.8395, 27.7625, 50.7706



14.5025, 27.7625, 4.2764

# Square

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



51.8395, 27.7625, 50.7706



32.8242, 27.7625, 1.5178



11.0242, 27.7625, 16.1435



20.8525, 27.7625, 131.1738



# Rectangle

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



51.8395, 27.7625, 50.7706



47.9245, 27.7625, 7.8444



11.0242, 27.7625, 16.1435



12.5186, 27.7625, 76.4013

# Sweetspot

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



51.8402, 27.7639, 50.7711



76.1335, 66.9278, 87.9179



27.0763, 13.9736, 95.8778



15.7695, 13.4232, 18.1790



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.



51.8402, 27.7639, 50.7711



49.2018, 24.7249, 42.9926



44.6084, 24.8711, 12.6886



18.5215, 18.1919, 21.3632



25.4330, 12.6625, 21.4623



2.5270, 1.2532, 2.3564



# Inverse Universe

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



51.8402, 27.7639, 50.7711



49.2018, 24.7249, 42.9926



50.1147, 77.4504, 78.9946



18.5215, 18.1919, 21.3632



25.4330, 12.6625, 21.4623



2.5270, 1.2532, 2.3564



# Previews

## White Background



This preview shows how the XYZ color 51.8395, 27.7625, 50.7706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

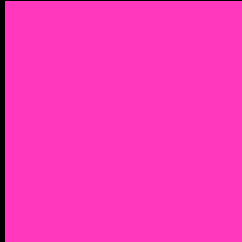
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 51.8395, 27.7625, 50.7706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

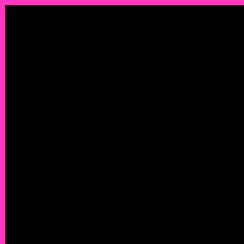
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 51.8395, 27.7625, 50.7706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8395, 27.7625, 50.7706.



This preview shows how white text looks on a background with the XYZ color 51.8395, 27.7625,



# 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

51.8395, 27.7625, 50.7706

### Protanopia

31.6219, 28.1752, 96.7002

### Deuteranopia

28.5453, 27.9268, 46.0054



## Tritanopia

43.8233, 27.5439, 13.3627

# Trichromacy



## Original Color

51.8395, 27.7625, 50.7706



## Protanomaly

32.7005, 23.3258, 77.6417



## Deuteranomaly

33.3108, 24.4743, 47.2243



## Tritanomaly

45.9051, 27.0514, 23.2240

# Monochromacy



## Original Color

51.8395, 27.7625, 50.7706



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

28.5223, 21.3977, 32.3326

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8395, 27.7625, 50.7706 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, 56, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 189)  
}
```

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, 56, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8395, 27.7625, 50.7706 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, 56, 189) }
```



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

```
.border{ border-color:rgb(255, 56, 189) }
```

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

Here you see how a box with a 4 pixel rgb(255, 56, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8395, 27.7625, 50.7706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 189) }
```

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

```
.background{ background-color: rgb(255, 56,  
189) }
```

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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