

# Converting Colors

XYZ(101.1202, 55.7452,  
46.7830)

Have a look what the booklet for  
XYZ(101.1202, 55.7452, 46.7830)  
contains.

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# Color

**XYZ(52.1931, 30.4689,  
44.7252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF52B1
RGB	255, 82, 177
RGB Percent	100%, 32%, 69%
CMY	0.0000, 0.6784, 0.3059
CMYK	0.00, 0.68, 0.31, 0.00
HSL	327°, 100%, 66%
HSV	327°, 68%, 100%
XYZ	52.1931, 30.4689, 44.7252
YIQ	144.5570, 72.6130, 66.2210

# Conversions

## Conversions Part 2

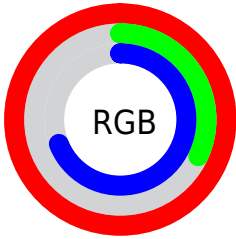
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 82, 177
Decimal	16732849
CIE Lab	62.06, 72.99, -14.09
CIE LCh	62, 74.341, 349.074
Yxy	30.4689, 0.4097, 0.2392
Android (android.graphics.Color)	4294922929 (0xFFFF52B1)
YUV	144.5570, 15.9944, 96.8585
Hunter-Lab	55.1986, 72.1831, -9.4012

# Details

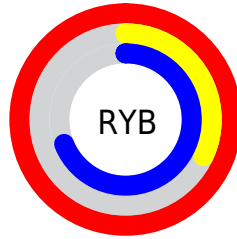
The XYZ color **52.1931, 30.4689, 44.7252** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **45.5866, 75.8527, 45.5005**, and the grayscale version is **26.6525, 28.0405, 30.5361**.

A 20% lighter version of the original color is **65.6210, 46.4892, 82.6055**, and **25.8862, 12.9246, 20.1991** is the 20% darker color. If you saturate the color by 10%, you get **49.5164, 26.8730, 38.4150**, and if you desaturate by 10%, it is **55.6820, 35.5345, 51.7831**.

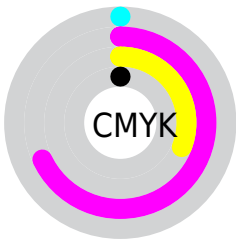
# Distribution



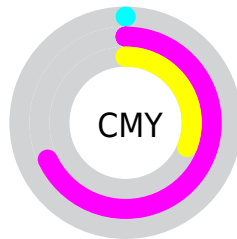
- Red (100%)
- Green (32%)
- Blue (69%)



- Red (100%)
- Yellow (32%)
- Blue (69%)



- Cyan (0%)
- Magenta (68%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1931, 30.4689, 44.7252 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 52.1931, 30.4689, 44.7252 by changing the saturation by 10% instead.





 52.1931, 30.4689,  
44.7252

 52.1931, 30.4689,  
44.7252

385.4934,  
304.0840, 381.7871

 37.3839, 20.1948,  
30.8997


 92.5885, 60.4029,  
83.6220

 25.6799, 12.5367,  
20.2646


 118.9054, 80.8316,  
109.5303

 16.7158, 7.1103,  
12.4016

 149.7890,  
105.4139, 140.3032

 10.1261, 3.5312,  
6.8919

 185.6045,  
134.5343, 176.3594

 5.5455, 1.4149,  
3.3172

226.7173,  
168.5771, 218.1174

 2.6088, 0.2277,  
1.2588

273.4928,

 0.9504, 0.0000,

207.9267, 265.9956

0.0277

326.2964,  
252.9676, 320.4127

■ 0.0000, 0.0000,  
0.0000

■ 52.1931, 30.4689,  
44.7252

■ 52.1931, 30.4689,  
44.7252

■ 49.5164, 26.8730,  
38.4150

■ 55.6820, 35.5345,  
51.7831

■ 47.5634, 24.5738,  
32.8105

■ 60.0538, 42.2078,  
59.6229


■ 46.2205, 23.3479,  
27.8619

■ 65.3739, 50.6161,  
68.2773

■ 45.9753, 23.1541,  
26.8659

■ 71.7007, 60.8724,  
77.7765

■ 79.0875, 73.0803,  
88.1484

 87.5838, 87.3355,  
99.4194

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.



46.0198, 30.4689, 83.7946



52.1931, 30.4689, 44.7252



51.1546, 30.4689, 18.2576

# Triad

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



52.1931, 30.4689, 44.7252



23.1287, 30.4689, 3.6219



18.1168, 30.4689, 94.4618

# Complementary

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



52.1931, 30.4689, 44.7252



45.5866, 75.8527, 45.5005

# 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.



14.3421, 30.4689, 54.5794



52.1931, 30.4689, 44.7252



16.7424, 30.4689, 8.6211

# Square

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



52.1931, 30.4689, 44.7252



32.7529, 30.4689, 3.1794



13.9048, 30.4689, 23.8078



25.4715, 30.4689, 121.7268



# Rectangle

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



52.1931, 30.4689, 44.7252



46.5652, 30.4689, 9.1875



13.9048, 30.4689, 23.8078



16.4671, 30.4689, 81.2947

# Sweetspot

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



52.1939, 30.4705, 44.7257



77.3990, 70.2722, 85.8319



35.5364, 20.7148, 96.7331



16.1129, 14.2896, 17.7399



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.



52.1939, 30.4705, 44.7257



48.8254, 26.0149, 36.5692



46.1317, 28.0456, 12.8027



18.4268, 18.1540, 20.8645



24.0995, 12.1291, 14.4402



2.4016, 1.2030, 1.6962



# Inverse Universe

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



52.1939, 30.4705, 44.7257



48.8254, 26.0149, 36.5692



55.9290, 79.9897, 99.9629



18.4268, 18.1540, 20.8645



24.0995, 12.1291, 14.4402



2.4016, 1.2030, 1.6962



# Previews

## White Background



This preview shows how the XYZ color 52.1931, 30.4689, 44.7252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

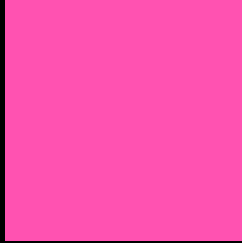
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1931, 30.4689, 44.7252 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 52.1931, 30.4689, 44.7252**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1931, 30.4689, 44.7252.



This preview shows how white text looks on a background with the XYZ color 52.1931, 30.4689,



# 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

52.1931, 30.4689, 44.7252

### Protanopia

32.3666, 30.8675, 74.0642

### Deuteranopia

31.2514, 30.5530, 41.2960



## Tritanopia

46.2256, 30.2947, 17.0468

# Trichromacy



## Original Color

52.1931, 30.4689, 44.7252



## Protanomaly

35.3615, 27.6422, 61.8642



## Deuteranomaly

36.4260, 28.4436, 42.0984



## Tritanomaly

47.8629, 30.0039, 25.0985

# Monochromacy



## Original Color

52.1931, 30.4689, 44.7252



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

33.0529, 26.6677, 35.3036

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1931, 30.4689, 44.7252 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, 82, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 177)  
}
```

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, 82, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1931, 30.4689, 44.7252 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, 82, 177) }
```



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

```
.border{ border-color:rgb(255, 82, 177) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1931, 30.4689, 44.7252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 177) }
```

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

```
.background{ background-color: rgb(255, 82,  
177) }
```

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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