

Converting Colors

XYZ(51.9607, 30.9634, 41.6903)

Have a look what the booklet for
XYZ(51.9607, 30.9634, 41.6903)
contains.

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Color

**XYZ(51.9989, 31.0167,
41.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	FF57AB
RGB	255, 87, 171
RGB Percent	100%, 34%, 67%
CMY	0.0000, 0.6588, 0.3294
CMYK	0.00, 0.66, 0.33, 0.00
HSL	330°, 100%, 67%
HSV	330°, 66%, 100%
XYZ	51.9989, 31.0167, 41.7742
YIQ	146.8080, 73.1640, 61.7400

Conversions

Conversions Part 2

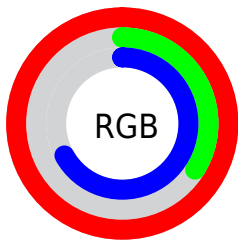
Format	Color
R_{YB}	255, 87, 171
Decimal	16734123
CIE _{Lab}	62.52, 70.48, -9.94
CIE _{LCh}	63, 71.178, 351.969
Yxy	31.0167, 0.4167, 0.2486
Android (android.graphics.Color)	4294924203 (0xFFFF57AB)
YUV	146.8080, 11.9267, 94.8844
Hunter-Lab	55.6926, 69.1991, -5.4877

Details

The XYZ color **51.9989, 31.0167, 41.7742** 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 **47.0430, 76.4874, 50.8170**, and the grayscale version is **27.5867, 29.0233, 31.6064**.

A 20% lighter version of the original color is **65.2464, 47.3088, 77.6441**, and **25.6105, 12.8664, 18.5864** is the 20% darker color. If you saturate the color by 10%, you get **49.1292, 27.1294, 35.1077**, and if you desaturate by 10%, it is **55.7163, 36.4115, 49.3023**.

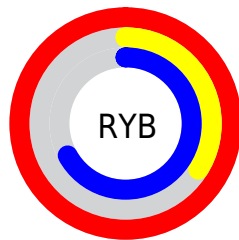
Distribution



Red (100%)

Green (34%)

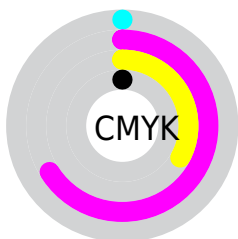
Blue (67%)



Red (100%)

Yellow (34%)

Blue (67%)

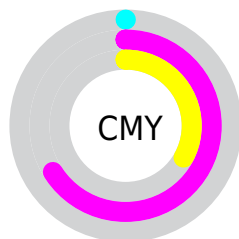


Cyan (0%)

Magenta (66%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9989, 31.0167, 41.7742 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 51.9989, 31.0167, 41.7742 by changing the saturation by 10% instead.


 51.9989, 31.0167,
41.7742


 51.9989, 31.0167,
41.7742

384.7564,
306.6152, 369.3181

 37.2285, 20.6116,
28.6003


 92.3039, 61.2664,
79.1242


 25.5589, 12.8404,
18.5357


 118.5691, 81.8797,
104.1373

 16.6249, 7.3187,
11.1618

 149.3966,
106.6645, 133.9339

 10.0611, 3.6622,
6.0603

 185.1518,
136.0053, 168.9325

 5.5020, 1.4865,
2.8124

226.2000,
170.2863, 209.5517

 2.5825, 0.2792,
0.9996

272.9066,

 0.9370, 0.0000,

209.8921, 256.2100

0.0000

325.6370,
255.2069, 309.3259

■ 0.0000, 0.0000,
0.0000

■ 51.9989, 31.0167,
41.7742

■ 51.9989, 31.0167,
41.7742

■ 49.1292, 27.1294,
35.1077

■ 55.7163, 36.4115,
49.3023

■ 47.0206, 24.5821,
29.2568

■ 60.3510, 43.4483,
57.7300

■ 45.5704, 23.1748,
24.1706

■ 65.9679, 52.2519,
67.0944

■ 45.1030, 22.8052,
22.2722

■ 72.6250, 62.9336,
77.4292

■ 80.3757, 75.5957,
88.7662

89.2695, 90.3327,
101.1355

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.



46.6916, 31.0167, 78.3675



51.9989, 31.0167, 41.7742



50.3122, 31.0167, 17.5070

Triad

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



51.9989, 31.0167, 41.7742



23.0554, 31.0167, 4.5439



19.4420, 31.0167, 95.5037

Complementary

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



51.9989, 31.0167, 41.7742



47.0430, 76.4874, 50.8170

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.



15.3769, 31.0167, 57.8757



51.9989, 31.0167, 41.7742



17.1229, 31.0167, 10.4366

Square

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



51.9989, 31.0167, 41.7742



32.1562, 31.0167, 3.7209



14.6323, 31.0167, 26.8630



26.9574, 31.0167, 118.7413

Rectangle

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



51.9989, 31.0167, 41.7742



45.5844, 31.0167, 9.2068



14.6323, 31.0167, 26.8630



17.7012, 31.0167, 83.3850

Sweetspot

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



51.9997, 31.0183, 41.7747



77.0455, 70.1308, 83.9701



38.2547, 22.6965, 96.9724



16.0283, 14.2557, 17.2943



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.



51.9997, 31.0183, 41.7747



48.3935, 26.1987, 33.1959



46.3697, 28.7663, 12.1275



18.3882, 18.1386, 20.6612



23.6426, 11.9463, 12.0345



2.3571, 1.1852, 1.4620

Inverse Universe

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



51.9997, 31.0183, 41.7747



48.3935, 26.1987, 33.1959



57.7414, 80.7667, 107.1540



18.3882, 18.1386, 20.6612



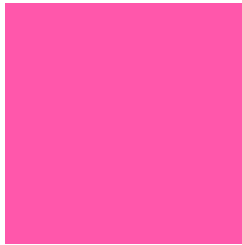
23.6426, 11.9463, 12.0345



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 51.9989, 31.0167, 41.7742 looks on a white background.

Color Contrast Check

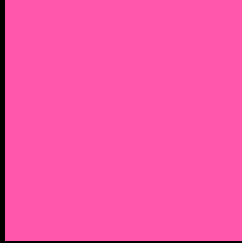
Large Text (above 18pt) WCAG AA × Fail

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 51.9989, 31.0167, 41.7742 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 51.9989, 31.0167, 41.7742

Background



This preview shows how black text looks on a background with the XYZ color 51.9989, 31.0167, 41.7742.



This preview shows how white text looks on a background with the XYZ color 51.9989, 31.0167,

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

51.9989, 31.0167, 41.7742

Protanopia

32.2734, 31.2045, 67.2729

Deuteranopia

31.6532, 31.0531, 38.5080



Tritanopia

46.9360, 30.9309, 17.9644

Trichromacy



Original Color

51.9989, 31.0167, 41.7742



Protanomaly

35.7854, 28.3460, 57.0113



Deuteranomaly

36.6308, 28.9859, 39.2615



Tritanomaly

48.5844, 30.9108, 25.2355

Monochromacy



Original Color

51.9989, 31.0167, 41.7742



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

33.5841, 27.5066, 34.9917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9989, 31.0167, 41.7742 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, 87, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 171)  
}
```

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, 87, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 171) }
```

Border

The CSS property to change the border of an element to XYZ 51.9989, 31.0167, 41.7742 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, 87, 171) }
```


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

```
.border{ border-color:rgb(255, 87, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9989, 31.0167, 41.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 171) }
```

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

```
.background{ background-color: rgb(255, 87,  
171) }
```

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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