

Converting Colors

XYZ(51.1750, 29.3260, 41.6332)

Have a look what the booklet for
XYZ(51.1750, 29.3260, 41.6332)
contains.

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Color

**XYZ(51.1751, 29.3692,
41.4997)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4CAB
RGB	255, 76, 171
RGB Percent	100%, 30%, 67%
CMY	0.0000, 0.7019, 0.3294
CMYK	0.00, 0.70, 0.33, 0.00
HSL	328°, 100%, 65%
HSV	328°, 70%, 100%
XYZ	51.1751, 29.3692, 41.4997
YIQ	140.3510, 76.1890, 67.4930

Conversions

Conversions Part 2

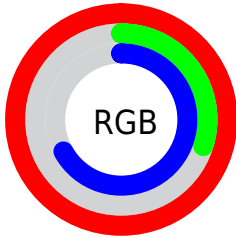
Format	Color
RYB	255, 76, 171
Decimal	16731307
CIELab	61.11, 74.41, -12.07
CIElCh	61, 75.383, 350.789
Yxy	29.3692, 0.4193, 0.2406
Android (android.graphics.Color)	4294921387 (0xFFFF4CAB)
YUV	140.3510, 15.1100, 100.5472
Hunter-Lab	54.1934, 73.7202, -7.4672

Details

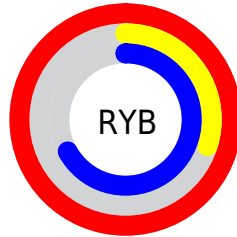
The XYZ color **51.1751, 29.3692, 41.4997** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.0875, 75.5954, 45.4778**, and the grayscale version is **24.9879, 26.2892, 28.6290**.

A 20% lighter version of the original color is **63.9131, 44.6423, 77.1997**, and **25.5779, 12.8012, 18.5755** is the 20% darker color. If you saturate the color by 10%, you get **48.6635, 26.0896, 35.2870**, and if you desaturate by 10%, it is **54.4874, 34.0846, 48.4893**.

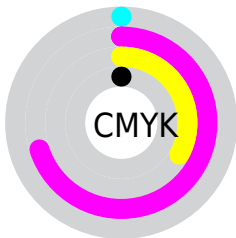
Distribution



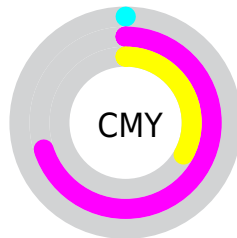
- Red (100%)
- Green (30%)
- Blue (67%)



- Red (100%)
- Yellow (30%)
- Blue (67%)



- Cyan (0%)
- Magenta (70%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1751, 29.3692, 41.4997 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 51.1751, 29.3692, 41.4997 by changing the saturation by 10% instead.


 51.1751, 29.3692,
41.4997


 51.1751, 29.3692,
41.4997


381.6202,
298.9530, 368.1431


 36.5696, 19.3603,
28.3871


 91.0950, 58.6632,
78.7038


 25.0466, 11.9309,
18.3761


 117.1401, 78.7170,
103.6323

 16.2407, 6.6966,
11.0481


 147.7291,
102.8879, 133.3366

 9.7865, 3.2731,
5.9846

 183.2274,
131.5604, 168.2352

 5.3188, 1.2759,
2.7671

224.0003,
165.1187, 208.7466

 2.4722, 0.1225,
0.9770

270.4131,

 0.8813, 0.0000,

203.9473, 255.2894

0.0000

322.8313,
248.4306, 308.2820

■ 0.0000, 0.0000,
0.0000

■ 51.1751, 29.3692,
41.4997

■ 51.1751, 29.3692,
41.4997

■ 48.6635, 26.0896,
35.2870

■ 54.4874, 34.0846,
48.4893

■ 46.8595, 24.0644,
29.8061


■ 58.6738, 40.3789,
56.2926

■ 45.6363, 23.0185,
25.0807

■ 63.8019, 48.3831,
64.9449

■ 69.9317, 58.2130,
74.4780

■ 77.1176, 69.9742,
84.9221

 85.4105, 83.7642,
96.3051

94.8575, 99.6740,
108.6539

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.



45.3698, 29.3692, 80.1679



51.1751, 29.3692, 41.4997



49.7039, 29.3692, 16.2956

Triad

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



51.1751, 29.3692, 41.4997



21.7010, 29.3692, 3.3175



17.5462, 29.3692, 95.3579

Complementary

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



51.1751, 29.3692, 41.4997



45.0875, 75.5954, 45.4778

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.



13.6562, 29.3692, 55.4323



51.1751, 29.3692, 41.4997



15.6322, 29.3692, 8.4432

Square

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



51.1751, 29.3692, 41.4997



31.0666, 29.3692, 2.7291



13.0496, 29.3692, 24.0371



24.9832, 29.3692, 121.3384

Rectangle

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



51.1751, 29.3692, 41.4997



44.9065, 29.3692, 7.9795



13.0496, 29.3692, 24.0371



15.8618, 29.3692, 82.3050

Sweetspot

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



51.1760, 29.3708, 41.5002



76.4962, 68.9492, 84.0432



35.0405, 19.8167, 96.5859



15.9306, 14.0299, 17.3561



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.



51.1760, 29.3708, 41.5002



47.8985, 25.1811, 33.1159



45.3474, 27.0393, 10.8073



18.4123, 18.1482, 20.7882



23.9221, 12.0582, 13.5064



2.3844, 1.1962, 1.6059

Inverse Universe

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



51.1760, 29.3708, 41.5002



47.8985, 25.1811, 33.1159



55.8455, 79.8986, 102.1287



18.4123, 18.1482, 20.7882



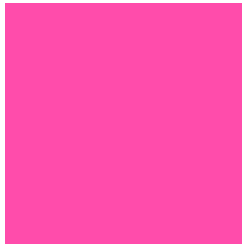
23.9221, 12.0582, 13.5064



2.3844, 1.1962, 1.6059

Previews

White Background



This preview shows how the XYZ color 51.1751, 29.3692, 41.4997 looks on a white background.

Color Contrast Check

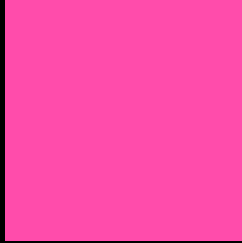
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.1751, 29.3692, 41.4997 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 51.1751, 29.3692, 41.4997

Background



This preview shows how black text looks on a background with the XYZ color 51.1751, 29.3692, 41.4997.



This preview shows how white text looks on a background with the XYZ color 51.1751, 29.3692,

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

51.1751, 29.3692, 41.4997

Protanopia

31.0800, 29.5762, 71.0885

Deuteranopia

30.2051, 29.6231, 38.3083



Tritanopia

45.8168, 29.4285, 15.3220

Trichromacy



Original Color

51.1751, 29.3692, 41.4997



Protanomaly

34.1717, 26.3551, 59.1631



Deuteranomaly

35.1266, 27.1167, 38.9800



Tritanomaly

47.4005, 29.1813, 22.8729

Monochromacy



Original Color

51.1751, 29.3692, 41.4997



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

31.2386, 24.9020, 32.4383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1751, 29.3692, 41.4997 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, 76, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 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, 76, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 171) }
```

Border

The CSS property to change the border of an element to XYZ 51.1751, 29.3692, 41.4997 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, 76, 171) }
```


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

```
.border{ border-color:rgb(255, 76, 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, 76, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 76,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1751, 29.3692, 41.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 171) }
```

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

```
.background{ background-color: rgb(255, 76,  
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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