

Converting Colors

XYZ(51.1563, 29.4170, 41.2300)

Have a look what the booklet for
XYZ(51.1563, 29.4170, 41.2300)
contains.

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Color

**XYZ(51.1496, 29.4700,
41.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4DAA
RGB	255, 77, 170
RGB Percent	100%, 30%, 67%
CMY	0.0000, 0.6980, 0.3333
CMYK	0.00, 0.70, 0.33, 0.00
HSL	329°, 100%, 65%
HSV	329°, 70%, 100%
XYZ	51.1496, 29.4700, 41.0226
YIQ	140.8240, 76.2350, 66.6590

Conversions

Conversions Part 2

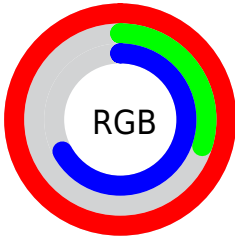
Format	Color
R_{YB}	255, 77, 170
Decimal	16731562
CIE _{Lab}	61.19, 73.96, -11.36
CIE _{LCh}	61, 74.830, 351.271
Yxy	29.4700, 0.4205, 0.2423
Android (android.graphics.Color)	4294921642 (0xFFFF4DAA)
YUV	140.8240, 14.3838, 100.1324
Hunter-Lab	54.2863, 73.1852, -6.8034

Details

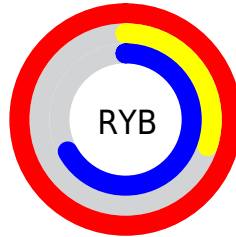
The XYZ color **51.1496, 29.4700, 41.0226** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.3439, 75.7072, 46.4102**, and the grayscale version is **25.1748, 26.4858, 28.8431**.

A 20% lighter version of the original color is **63.9191, 44.8732, 76.5267**, and **25.5181, 12.7773, 18.2609** is the 20% darker color. If you saturate the color by 10%, you get **48.6026, 26.1350, 34.7508**, and if you desaturate by 10%, it is **54.5036, 34.2482, 48.0904**.

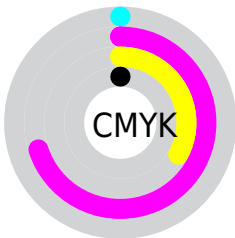
Distribution



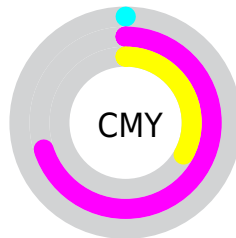
- Red (100%)
- Green (30%)
- Blue (67%)



- 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 51.1496, 29.4700, 41.0226 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 51.1496, 29.4700, 41.0226 by changing the saturation by 10% instead.


 51.1496, 29.4700,
41.0226

 51.1496, 29.4700,
41.0226

381.5228,
299.4261, 366.0945


 36.5492, 19.4367,
28.0169


 91.0575, 58.8230,
77.9722


 25.0307, 11.9862,
18.0993


 117.0958, 78.9114,
102.7533

 16.2288, 6.7343,
10.8511


 147.6774,
103.1204, 132.2965

 9.7781, 3.2965,
5.8539

 183.1677,
131.8342, 167.0205

 5.3132, 1.2884,
2.6891

223.9320,
165.4373, 207.3437

 2.4688, 0.1322,
0.9379

270.3357,

 0.8796, 0.0000,

204.3140, 253.6848

0.0000

322.7442,
248.8488, 306.4622

■ 0.0000, 0.0000,
0.0000

■ 51.1496, 29.4700,
41.0226

■ 51.1496, 29.4700,
41.0226

■ 48.6026, 26.1350,
34.7508

■ 54.5036, 34.2482,
48.0904

■ 46.7704, 24.0636,
29.2293

■ 58.7382, 40.6121,
55.9917


■ 45.5116, 22.9775,
24.3965

■ 63.9205, 48.6922,
64.7623

■ 45.4891, 22.9596,
24.3056

■ 70.1104, 58.6037,
74.4349

■ 77.3625, 70.4521,
85.0400

 85.7274, 84.3346,
96.6063

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.



45.4909, 29.4700, 79.2572



51.1496, 29.4700, 41.0226



49.5698, 29.4700, 16.1857

Triad

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



51.1496, 29.4700, 41.0226



21.6986, 29.4700, 3.4620



17.7724, 29.4700, 95.5365

Complementary

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



51.1496, 29.4700, 41.0226



45.3439, 75.7072, 46.4102

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.



13.8325, 29.4700, 55.9995



51.1496, 29.4700, 41.0226



15.7029, 29.4700, 8.7407

Square

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



51.1496, 29.4700, 41.0226



30.9774, 29.4700, 2.8138



13.1756, 29.4700, 24.5548



25.2390, 29.4700, 120.8205

Rectangle

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



51.1496, 29.4700, 41.0226



44.7505, 29.4700, 7.9905



13.1756, 29.4700, 24.5548



16.0721, 29.4700, 82.6653

Sweetspot

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



51.1504, 29.4715, 41.0231



76.4343, 68.9244, 83.7169



35.2163, 20.0103, 96.6140



15.9159, 14.0240, 17.2786



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.



51.1504, 29.4715, 41.0231



47.7517, 25.1223, 32.3430



45.4538, 27.1929, 11.0253



18.4058, 18.1456, 20.7540



23.8451, 12.0273, 13.1005



2.3769, 1.1932, 1.5664

Inverse Universe

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



51.1504, 29.4715, 41.0231



47.7517, 25.1223, 32.3430



55.9308, 79.9420, 102.1598



18.4058, 18.1456, 20.7540



23.8451, 12.0273, 13.1005



2.3769, 1.1932, 1.5664

Previews

White Background



This preview shows how the XYZ color 51.1496, 29.4700, 41.0226 looks on a white background.

Color Contrast Check

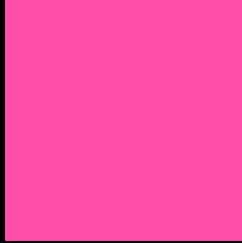
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.1496, 29.4700, 41.0226 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 51.1496, 29.4700, 41.0226

Background



This preview shows how black text looks on a background with the XYZ color 51.1496, 29.4700, 41.0226.



This preview shows how white text looks on a background with the XYZ color 51.1496, 29.4700,

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

51.1496, 29.4700, 41.0226

Protanopia

31.1154, 29.8526, 69.7678

Deuteranopia

30.1166, 29.5876, 37.8419



Tritanopia

45.8655, 29.4480, 15.5786

Trichromacy



Original Color

51.1496, 29.4700, 41.0226



Protanomaly

34.2760, 26.6155, 57.9744



Deuteranomaly

35.1555, 27.3197, 38.5423



Tritanomaly

47.4005, 29.1813, 22.8729

Monochromacy



Original Color

51.1496, 29.4700, 41.0226



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

31.4373, 25.1689, 32.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1496, 29.4700, 41.0226 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, 77, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 170)  
}
```

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, 77, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 170) }
```

Border

The CSS property to change the border of an element to XYZ 51.1496, 29.4700, 41.0226 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, 77, 170) }
```


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

```
.border{ border-color:rgb(255, 77, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1496, 29.4700, 41.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 170) }
```

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

```
.background{ background-color: rgb(255, 77,  
170) }
```

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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