

Converting Colors

XYZ(50.1298, 29.9074, 33.0479)

Have a look what the booklet for
XYZ(50.1298, 29.9074, 33.0479)
contains.

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Color

**XYZ(50.0778, 29.8676,
32.8314)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5498
RGB	255, 84, 152
RGB Percent	100%, 33%, 60%
CMY	0.0000, 0.6705, 0.4039
CMYK	0.00, 0.67, 0.40, 0.00
HSL	336°, 100%, 66%
HSV	336°, 67%, 100%
XYZ	50.0778, 29.8676, 32.8314
YIQ	142.8810, 80.0880, 57.4000

Conversions

Conversions Part 2

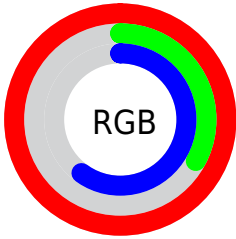
Format	Color
R _Y B	255, 84, 152
Decimal	16733336
CIE Lab	61.54, 69.61, -0.42
CIE LCh	62, 69.614, 359.651
Yxy	29.8676, 0.4440, 0.2648
Android (android.graphics.Color)	4294923416 (0xFFFF5498)
YUV	142.8810, 4.4957, 98.3284
Hunter-Lab	54.6513, 67.9226, 2.6378

Details

The XYZ color **50.0778, 29.8676, 32.8314** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **48.3877, 76.9935, 59.3300**, and the grayscale version is **26.0228, 27.3780, 29.8146**.

A 20% lighter version of the original color is **62.2030, 45.3612, 63.8696**, and **24.3413, 12.2770, 13.3987** is the 20% darker color. If you saturate the color by 10%, you get **47.2684, 26.1336, 26.0848**, and if you desaturate by 10%, it is **53.7717, 35.1098, 40.6772**.

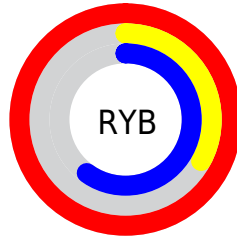
Distribution



Red (100%)

Green (33%)

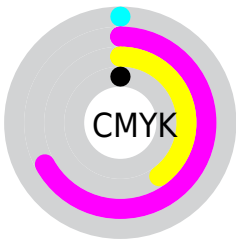
Blue (60%)



Red (100%)

Yellow (33%)

Blue (60%)

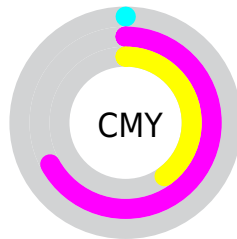


Cyan (0%)

Magenta (67%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0778, 29.8676, 32.8314 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 50.0778, 29.8676, 32.8314 by changing the saturation by 10% instead.


 50.0778, 29.8676,
32.8314


 50.0778, 29.8676,
32.8314


377.4171,
301.2868, 329.4980


 35.6933, 19.7381,
21.7273


 89.4813, 59.4527,
65.2252


 24.3664, 12.2048,
13.4602


 115.2309, 79.6772,
87.3519

 15.7318, 6.8833,
7.6118


 145.4997,
104.0354, 113.9899

 9.4242, 3.3892,
3.7634

 180.6528,
132.9118, 145.5577

 5.0782, 1.3382,
1.4964

221.0558,
166.6907, 182.4739

 2.3285, 0.1705,
0.2153

267.0739,

 0.8092, 0.0000,

205.7566, 225.1570

0.0000

319.0726,
250.4938, 274.0255

■ 0.0000, 0.0000,
0.0000

■ 50.0778, 29.8676,
32.8314

■ 50.0778, 29.8676,
32.8314

■ 47.2684, 26.1336,
26.0848

■ 53.7717, 35.1098,
40.6772

■ 45.2525, 23.7356,
20.3756

■ 58.4236, 41.9981,
49.6751


■ 43.9188, 22.4619,
15.6345

■ 64.1019, 50.6598,
59.8755

■ 43.6083, 22.2073,
14.4017

■ 70.8675, 61.2087,
71.3250

■ 78.7765, 73.7485,
84.0675

 87.8810, 88.3758,
98.1445

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.



46.6125, 29.8676, 65.5355



50.0778, 29.8676, 32.8314



46.7631, 29.8676, 13.3065

Triad

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



50.0778, 29.8676, 32.8314



20.4859, 29.8676, 5.3362



20.3356, 29.8676, 99.0123

Complementary

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



50.0778, 29.8676, 32.8314



48.3877, 76.9935, 59.3300

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.



15.5944, 29.8676, 64.6835



50.0778, 29.8676, 32.8314



15.6670, 29.8676, 13.0131

Square

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



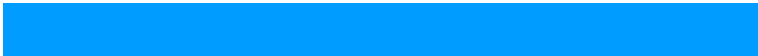
50.0778, 29.8676, 32.8314



28.4965, 29.8676, 3.5806



14.0880, 29.8676, 32.2120



28.2803, 29.8676, 114.3664

Rectangle

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



50.0778, 29.8676, 32.8314



41.4915, 29.8676, 7.1359



14.0880, 29.8676, 32.2120



18.3826, 29.8676, 88.6351

Sweetspot

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



50.0786, 29.8692, 32.8319



76.3253, 69.8427, 80.1778



41.6179, 24.0771, 97.0615



15.8565, 14.1870, 16.3897



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.



50.0786, 29.8692, 32.8319



46.5966, 25.2968, 24.2984



47.5049, 31.2288, 11.9136



18.3086, 18.1067, 20.2420



22.8549, 11.6313, 7.8864



2.2774, 1.1533, 1.0421

Inverse Universe

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



50.0786, 29.8692, 32.8319



46.5966, 25.2968, 24.2984



52.2527, 70.1967, 105.4030



18.3086, 18.1067, 20.2420



22.8549, 11.6313, 7.8864



2.2774, 1.1533, 1.0421

Previews

White Background



This preview shows how the XYZ color 50.0778, 29.8676, 32.8314 looks on a white background.

Color Contrast Check

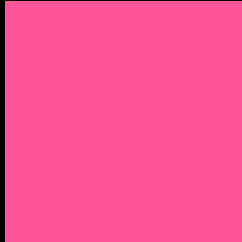
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.0778, 29.8676, 32.8314 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 50.0778, 29.8676, 32.8314

Background



This preview shows how black text looks on a background with the XYZ color 50.0778, 29.8676, 32.8314.



This preview shows how white text looks on a background with the XYZ color 50.0778, 29.8676,

32.8314.

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

50.0778, 29.8676, 32.8314

Protanopia

30.3189, 30.0323, 53.4890

Deuteranopia

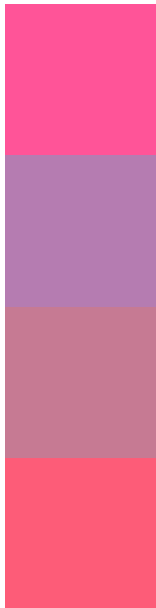
30.5244, 29.9595, 30.5595



Tritanopia

46.6767, 30.0008, 15.6425

Trichromacy



Original Color

50.0778, 29.8676, 32.8314

Protanomaly

34.1995, 27.4134, 45.0838

Deuteranomaly

35.5147, 28.0314, 31.1425

Tritanomaly

47.7253, 29.8930, 21.0238

Monochromacy



Original Color

50.0778, 29.8676, 32.8314

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

31.9150, 26.1847, 30.5662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0778, 29.8676, 32.8314 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, 84, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 152)  
}
```

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, 84, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 152) }
```

Border

The CSS property to change the border of an element to XYZ 50.0778, 29.8676, 32.8314 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, 84, 152) }
```


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

```
.border{ border-color:rgb(255, 84, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0778, 29.8676, 32.8314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 152) }
```

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

```
.background{ background-color: rgb(255, 84,  
152) }
```

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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