

Converting Colors

XYZ(49.9366, 28.9298, 34.8046)

Have a look what the booklet for
XYZ(49.9366, 28.9298, 34.8046)
contains.

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Color

**XYZ(49.9797, 29.0021,
34.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D9D
RGB	255, 77, 157
RGB Percent	100%, 30%, 62%
CMY	0.0000, 0.6980, 0.3843
CMYK	0.00, 0.70, 0.38, 0.00
HSL	333°, 100%, 65%
HSV	333°, 70%, 100%
XYZ	49.9797, 29.0021, 34.8620
YIQ	139.3420, 80.4080, 62.6160

Conversions

Conversions Part 2

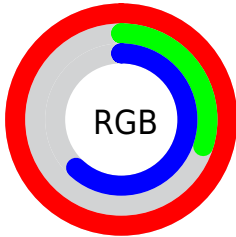
Format	Color
RYB	255, 77, 157
Decimal	16731549
CIELab	60.78, 72.61, -4.44
CIElCh	61, 72.745, 356.502
Yxy	29.0021, 0.4390, 0.2548
Android (android.graphics.Color)	4294921629 (0xFFFF4D9D)
YUV	139.3420, 8.7054, 101.4321
Hunter-Lab	53.8536, 71.4160, -0.6837

Details

The XYZ color **49.9797, 29.0021, 34.8620** 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 **46.5604, 76.1938, 52.8159**, and the grayscale version is **24.6199, 25.9021, 28.2074**.

A 20% lighter version of the original color is **62.0864, 44.1401, 66.8756**, and **24.5938, 12.3781, 14.7286** is the 20% darker color. If you saturate the color by 10%, you get **47.4012, 25.6546, 28.4243**, and if you desaturate by 10%, it is **53.3963, 33.8054, 42.2592**.

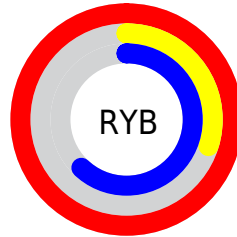
Distribution



Red (100%)

Green (30%)

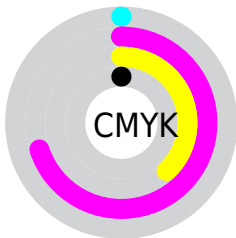
Blue (62%)



Red (100%)

Yellow (30%)

Blue (62%)

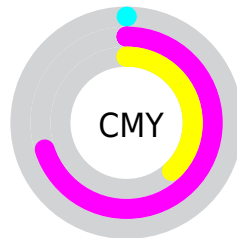


Cyan (0%)

Magenta (70%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (70%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9797, 29.0021, 34.8620 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 49.9797, 29.0021, 34.8620 by changing the saturation by 10% instead.


 49.9797, 29.0021,
34.8620


 49.9797, 29.0021,
34.8620


377.0399,
297.2249, 338.8445


 35.6150, 19.0824,
23.2739


 89.3368, 58.0804,
68.4211


 24.3057, 11.7298,
14.5887


 115.0599, 78.0078,
91.2291

 15.6865, 6.5600,
8.3878


 145.2999,
102.0400, 118.6142

 9.3920, 3.1885,
4.2528

 180.4220,
130.5612, 150.9949

 5.0569, 1.2309,
1.7650

220.7918,
163.9559, 188.7898

 2.3158, 0.0867,
0.4047

266.7744,

 0.8027, 0.0000,

202.6085, 232.4173

0.0000

318.7353,
246.9033, 282.2960

■ 0.0000, 0.0000,
0.0000

■ 49.9797, 29.0021,
34.8620

■ 49.9797, 29.0021,
34.8620

■ 47.4012, 25.6546,
28.4243

■ 53.3963, 33.8054,
42.2592

■ 45.5668, 23.5821,
22.8912

■ 57.7261, 40.2075,
50.6620


■ 44.3332, 22.5061,
18.1910

■ 63.0380, 48.3394,
60.1144

■ 44.3114, 22.4886,
18.1040

■ 69.3931, 58.3170,
70.6569

■ 76.8475, 70.2464,
82.3274

 85.4533, 84.2253,
95.1615

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.



45.6712, 29.0021, 69.9022



49.9797, 29.0021, 34.8620



47.2416, 29.0021, 13.5795

Triad

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



49.9797, 29.0021, 34.8620



20.2242, 29.0021, 4.1459



18.7016, 29.0021, 97.9185

Complementary

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



49.9797, 29.0021, 34.8620



46.5604, 76.1938, 52.8159

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.



14.2889, 29.0021, 60.9689



49.9797, 29.0021, 34.8620



15.0166, 29.0021, 10.6804

Square

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



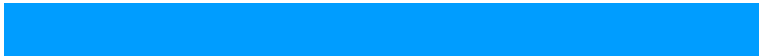
49.9797, 29.0021, 34.8620



28.6895, 29.0021, 2.9070



13.1121, 29.0021, 28.5077



26.4715, 29.0021, 117.2460

Rectangle

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



49.9797, 29.0021, 34.8620



42.0654, 29.0021, 6.8687



13.1121, 29.0021, 28.5077



16.8516, 29.0021, 86.3919

Sweetspot

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



49.9805, 29.0037, 34.8625



75.8928, 68.7078, 80.8655



38.3626, 21.6323, 96.7613



15.7875, 13.9727, 16.6024



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.



49.9805, 29.0037, 34.8625



46.5459, 24.6400, 25.9932



45.9006, 28.4373, 10.0930



18.3487, 18.1228, 20.4534



23.2264, 11.7799, 9.8429



2.3156, 1.1686, 1.2433

Inverse Universe

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



49.9805, 29.0037, 34.8625



46.5459, 24.6400, 25.9932



54.0978, 74.7710, 106.1887



18.3487, 18.1228, 20.4534



23.2264, 11.7799, 9.8429



2.3156, 1.1686, 1.2433

Previews

White Background



This preview shows how the XYZ color 49.9797, 29.0021, 34.8620 looks on a white background.

Color Contrast Check

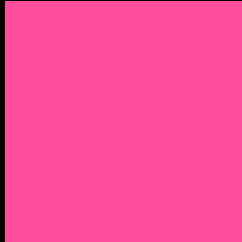
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.9797, 29.0021, 34.8620 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 49.9797, 29.0021, 34.8620

Background



This preview shows how black text looks on a background with the XYZ color 49.9797, 29.0021, 34.8620.



This preview shows how white text looks on a background with the XYZ color 49.9797, 29.0021,

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

49.9797, 29.0021, 34.8620

Protanopia

30.0281, 29.2931, 59.3298

Deuteranopia

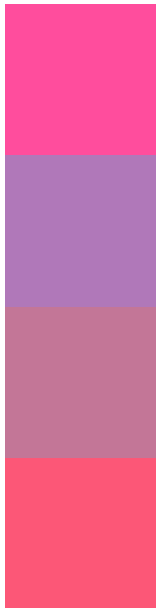
29.5155, 28.9577, 32.0507



Tritanopia

45.7685, 29.0266, 14.4997

Trichromacy



Original Color

49.9797, 29.0021, 34.8620

Protanomaly

33.3779, 26.1658, 49.1902

Deuteranomaly

34.5700, 26.7933, 32.6277

Tritanomaly

46.8829, 28.8437, 20.5492

Monochromacy



Original Color

49.9797, 29.0021, 34.8620

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

30.4898, 24.3899, 30.2949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9797, 29.0021, 34.8620 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.9797, 29.0021, 34.8620 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, 157) }
```


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

```
.border{ border-color:rgb(255, 77, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9797, 29.0021, 34.8620 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, 157) }
```

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

```
.background{ background-color: rgb(255, 77,  
157) }
```

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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