

Converting Colors

XYZ(50.0254, 30.0039, 32.1740)

Have a look what the booklet for
XYZ(50.0254, 30.0039, 32.1740)
contains.

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Color

**XYZ(49.9935, 29.9590,
32.0019)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5596
RGB	255, 85, 150
RGB Percent	100%, 33%, 59%
CMY	0.0000, 0.6666, 0.4118
CMYK	0.00, 0.67, 0.41, 0.00
HSL	337°, 100%, 67%
HSV	337°, 67%, 100%
XYZ	49.9935, 29.9590, 32.0019
YIQ	143.2400, 80.4550, 56.2550

Conversions

Conversions Part 2

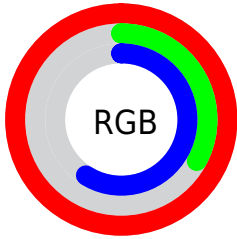
Format	Color
R _Y B	255, 85, 150
Decimal	16733590
CIE Lab	61.62, 69.05, 0.85
CIE LCh	62, 69.051, 0.706
Yxy	29.9590, 0.4466, 0.2676
Android (android.graphics.Color)	4294923670 (0xFFFF5596)
YUV	143.2400, 3.3327, 98.0135
Hunter-Lab	54.7348, 67.2518, 3.6492

Details

The XYZ color **49.9935, 29.9590, 32.0019** 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 **48.8025, 77.1698, 61.0438**, and the grayscale version is **26.1704, 27.5333, 29.9838**.

A 20% lighter version of the original color is **62.1123, 45.5662, 62.6482**, and **24.2445, 12.2383, 12.8888** is the 20% darker color. If you saturate the color by 10%, you get **47.1508, 26.1688, 25.2117**, and if you desaturate by 10%, it is **53.7312, 35.2663, 39.9321**.

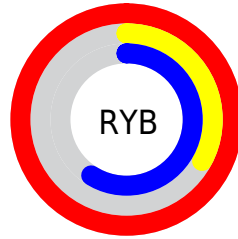
Distribution



Red (100%)

Green (33%)

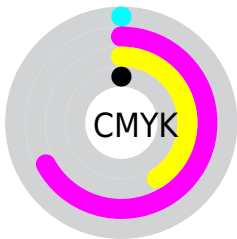
Blue (59%)



Red (100%)

Yellow (33%)

Blue (59%)

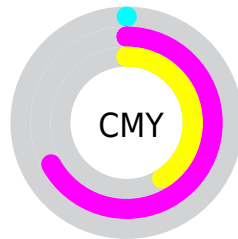


Cyan (0%)

Magenta (67%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9935, 29.9590, 32.0019 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 49.9935, 29.9590, 32.0019 by changing the saturation by 10% instead.


 49.9935, 29.9590,
32.0019


 49.9935, 29.9590,
32.0019


377.0929,
301.7133, 325.6209


 35.6260, 19.8075,
21.0981

 89.3571, 59.5973,
63.9120


 24.3143, 12.2552,
13.0038


 115.0840, 79.8529,
85.7554

 15.6929, 6.9177,
7.3004


 145.3280,
104.2453, 112.0825

 9.3966, 3.4107,
3.5694

 180.4545,
133.1589, 143.3117

 5.0599, 1.3497,
1.3922

220.8289,
166.9781, 179.8616

 2.3176, 0.1792,
0.1356

266.8165,

 0.8036, 0.0000,

206.0873, 222.1507

0.0000

318.7828,
250.8709, 270.5976

■ 0.0000, 0.0000,
0.0000

■ 49.9935, 29.9590,
32.0019

■ 49.9935, 29.9590,
32.0019

■ 47.1508, 26.1688,
25.2117

■ 53.7312, 35.2663,
39.9321

■ 45.1120, 23.7245,
19.4970

■ 58.4377, 42.2281,
49.0576

■ 43.7678, 22.4189,
14.7862

■ 64.1813, 50.9713,
59.4313

■ 43.4206, 22.1322,
13.4132

■ 71.0232, 61.6093,
71.1019

■ 79.0198, 74.2459,
84.1155

88.2235, 88.9775,
98.5156

95.0499, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7854, 29.9590, 64.0887



49.9935, 29.9590, 32.0019



46.4835, 29.9590, 13.0331

Triad

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



49.9935, 29.9590, 32.0019



20.3876, 29.9590, 5.6177



20.6903, 29.9590, 99.4462

Complementary

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



49.9935, 29.9590, 32.0019



48.8025, 77.1698, 61.0438

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.



15.8469, 29.9590, 65.7945



49.9935, 29.9590, 32.0019



15.7004, 29.9590, 13.6266

Square

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



49.9935, 29.9590, 32.0019



28.2584, 29.9590, 3.6999



14.2335, 29.9590, 33.2465



28.6930, 29.9590, 113.6404

Rectangle

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



49.9935, 29.9590, 32.0019



41.1639, 29.9590, 7.0700



14.2335, 29.9590, 33.2465



18.7053, 29.9590, 89.3796

Sweetspot

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



49.9943, 29.9606, 32.0024



76.2194, 69.8004, 79.6204



42.4938, 24.6448, 97.1248



15.8313, 14.1769, 16.2571



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.



49.9943, 29.9606, 32.0024



46.3858, 25.2124, 23.1882



47.9156, 31.9871, 12.2452



18.2967, 18.1020, 20.1798



22.7553, 11.5914, 7.3620



2.2669, 1.1491, 0.9870

Inverse Universe

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



49.9943, 29.9606, 32.0024



46.3858, 25.2124, 23.1882



51.5536, 68.6645, 105.1440



18.2967, 18.1020, 20.1798



22.7553, 11.5914, 7.3620



2.2669, 1.1491, 0.9870

Previews

White Background



This preview shows how the XYZ color 49.9935, 29.9590, 32.0019 looks on a white background.

Color Contrast Check

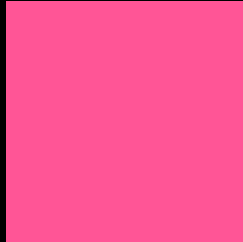
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.9935, 29.9590, 32.0019 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 49.9935, 29.9590, 32.0019

Background



This preview shows how black text looks on a background with the XYZ color 49.9935, 29.9590, 32.0019.



This preview shows how white text looks on a background with the XYZ color 49.9935, 29.9590,

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

49.9935, 29.9590, 32.0019

Protanopia

30.3145, 30.2996, 51.8276

Deuteranopia

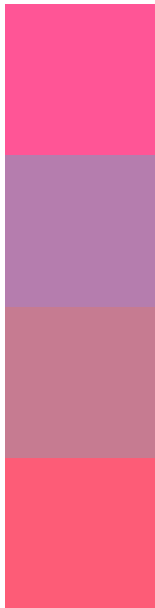
30.5816, 30.0065, 29.7712



Tritanopia

46.7260, 30.0205, 15.9022

Trichromacy



Original Color

49.9935, 29.9590, 32.0019

Protanomaly

34.0297, 27.5470, 43.5679

Deuteranomaly

35.4825, 28.2160, 30.3642

Tritanomaly

47.6649, 29.8688, 20.7058

Monochromacy



Original Color

49.9935, 29.9590, 32.0019

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 49.9935, 29.9590, 32.0019 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, 85, 150)` looks like.

```
.text, #text, p{  
  color:rgb(255, 85, 150)  
}
```

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, 85, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.9935, 29.9590, 32.0019 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, 85, 150) }
```


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

```
.border{ border-color:rgb(255, 85, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 85, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9935, 29.9590, 32.0019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 150) }
```

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

```
.background{ background-color: rgb(255, 85,  
150) }
```

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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