

Converting Colors

XYZ(49.9898, 32.1111, 35.9111)

Have a look what the booklet for
XYZ(49.9898, 32.1111, 35.9111)
contains.

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Color

**XYZ(49.9898, 32.1111,
35.9111)**

Conversions

Conversions Part 1

Format	Color
Hex	F9669E
RGB	249, 102, 158
RGB Percent	98%, 40%, 62%
CMY	0.0235, 0.6000, 0.3804
CMYK	0.00, 0.59, 0.37, 0.02
HSL	337°, 92%, 69%
HSV	337°, 59%, 98%
XYZ	49.9898, 32.1111, 35.9111
YIQ	152.3370, 69.6360, 48.5800

Conversions

Conversions Part 2

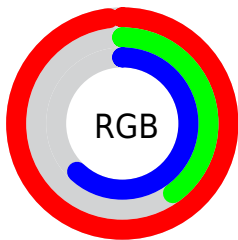
Format	Color
R _Y B	249, 102, 158
Decimal	16344734
CIE Lab	63.43, 61.21, -1.23
CIE LCh	63, 61.222, 358.852
Yxy	32.1111, 0.4236, 0.2721
Android (android.graphics.Color)	4294534814 (0xFFFF9669E)
YUV	152.3370, 2.7919, 84.7735
Hunter-Lab	56.6667, 58.3012, 2.0931

Details

The XYZ color **49.9898, 32.1111, 35.9111** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.9826, 74.4271, 62.2408**, and the grayscale version is **29.9591, 31.5193, 34.3246**.

A 20% lighter version of the original color is **65.5218, 50.8097, 68.6412**, and **24.2208, 13.4088, 15.2215** is the 20% darker color. If you saturate the color by 10%, you get **46.6549, 27.4333, 28.6585**, and if you desaturate by 10%, it is **54.2276, 38.3281, 44.2864**.

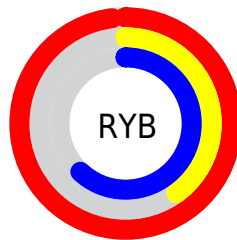
Distribution



Red (98%)

Green (40%)

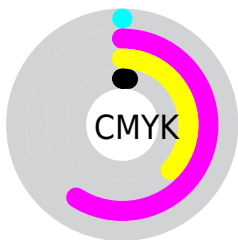
Blue (62%)



Red (98%)

Yellow (40%)

Blue (62%)

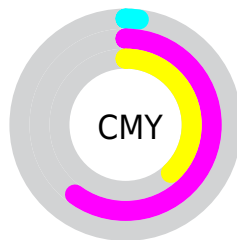


Cyan (0%)

Magenta (59%)

Yellow (37%)

Black (2%)



Cyan (2%)


Magenta (60%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9898, 32.1111, 35.9111 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 49.9898, 32.1111, 35.9111 by changing the saturation by 10% instead.


 49.9898, 32.1111,
35.9111

 49.9898, 32.1111,
35.9111

377.0787,
311.6250, 343.5975


 35.6231, 21.4464,
24.0764


 89.3517, 62.9852,
70.0623


 24.3120, 13.4507,
15.1776


 115.0775, 83.9634,
93.2159

 15.6912, 7.7396,
8.7961


 145.3204,
109.1482, 120.9796

 9.3954, 3.9288,
4.5134

 180.4458,
138.9240, 153.7718

 5.0591, 1.6338,
1.9110

220.8190,
173.6752, 192.0112

 2.3171, 0.3802,
0.4997

266.8052,

 0.8034, 0.0000,

213.7861, 236.1162

0.0000

318.7700,
259.6413, 286.5055

■ 0.0000, 0.0000,
0.0000

■ 49.9898, 32.1111,
35.9111

■ 49.9898, 32.1111,
35.9111

■ 46.6549, 27.4333,
28.6585

■ 54.2276, 38.3281,
44.2864

■ 44.1461, 24.1511,
22.4719

■ 59.4310, 46.2009,
53.8332

■ 42.3769, 22.1022,
17.2906

■ 65.6601, 55.8404,
64.5991

■ 41.2200, 21.0428,
13.0379

■ 72.9690, 67.3466,
76.6282

■ 41.1256, 20.9632,
12.6694

■ 81.4081, 80.8119,
89.9624

91.0242, 96.3225,
104.6413

92.8769, 98.8797,
108.7983

Harmonies

Analogous

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



46.7858, 32.1111, 65.2558



49.9898, 32.1111, 35.9111



47.2232, 32.1111, 16.8673

Triad

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



49.9898, 32.1111, 35.9111



23.2824, 32.1111, 7.8766



22.8114, 32.1111, 92.4016

Complementary

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



49.9898, 32.1111, 35.9111



48.9826, 74.4271, 62.2408

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.



18.3096, 32.1111, 62.8209



49.9898, 32.1111, 35.9111



18.5438, 32.1111, 15.8864

Square

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



49.9898, 32.1111, 35.9111



30.8497, 32.1111, 5.9151



16.9039, 32.1111, 34.0328



30.1939, 32.1111, 105.9143

Rectangle

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



49.9898, 32.1111, 35.9111



42.6105, 32.1111, 10.2076



16.9039, 32.1111, 34.0328



20.9657, 32.1111, 83.4891

Sweetspot

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



49.9907, 32.1128, 35.9117



77.8728, 72.4331, 82.2493



43.7551, 27.6359, 92.6505



16.1535, 14.6884, 16.7741



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.



49.9907, 32.1128, 35.9117



48.6370, 28.1315, 28.8197



48.0811, 34.3304, 16.6649



17.5182, 17.3346, 19.3185



22.0777, 11.2468, 7.1176



2.0946, 1.0616, 0.9216

Inverse Universe

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



49.9907, 32.1128, 35.9117



48.6370, 28.1315, 28.8197



51.3940, 67.2941, 99.9027



17.5182, 17.3346, 19.3185



22.0777, 11.2468, 7.1176



2.0946, 1.0616, 0.9216

Previews

White Background



This preview shows how the XYZ color 49.9898, 32.1111, 35.9111 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 49.9898, 32.1111, 35.9111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

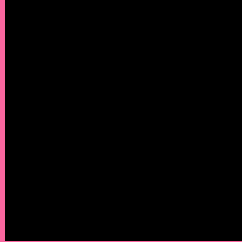
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9898, 32.1111, 35.9111

Background



This preview shows how black text looks on a background with the XYZ color 49.9898, 32.1111, 35.9111.



This preview shows how white text looks on a background with the XYZ color 49.9898, 32.1111, 35.9111.

35.9111.

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

49.9898, 32.1111, 35.9111

Protanopia

32.2536, 32.4763, 52.7127

Deuteranopia

32.9109, 32.2753, 33.7733



Tritanopia

46.8520, 32.0527, 20.8570

Trichromacy



Original Color

49.9898, 32.1111, 35.9111

Protanomaly

36.0894, 30.3318, 46.0720

Deuteranomaly

37.6372, 30.9777, 34.5675

Tritanomaly

47.8491, 31.9830, 25.8417

Monochromacy



Original Color

49.9898, 32.1111, 35.9111

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

34.8513, 29.9481, 34.5155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9898, 32.1111, 35.9111 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(249, 102, 158)` looks like.

```
.text, #text, p{  
    color:rgb(249, 102, 158)  
}
```

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(249, 102, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 102, 158) }
```

Border

The CSS property to change the border of an element to XYZ 49.9898, 32.1111, 35.9111 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(249, 102, 158) }
```


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

```
.border{ border-color:rgb(249, 102, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 102, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 102, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 102, 158);  
box-shadow:4px 4px 4px 4px rgb(249, 102,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9898, 32.1111, 35.9111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 102, 158) }
```

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

```
.background{ background-color: rgb(249,  
102, 158) }
```

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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