

Converting Colors

XYZ(68.7326, 48.6840,
100.3821)

Have a look what the booklet for
XYZ(68.7326, 48.6840, 100.3821)
contains.

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Color

**XYZ(68.8369, 48.6604,
100.3720)**

Conversions

Conversions Part 1

Format	Color
Hex	FD92FF
RGB	253, 146, 255
RGB Percent	99%, 57%, 100%
CMY	0.0078, 0.4274, 0.0000
CMYK	0.01, 0.43, 0.00, 0.00
HSL	299°, 100%, 79%
HSV	299°, 43%, 100%
XYZ	68.8369, 48.6604, 100.3720
YIQ	190.4190, 28.7830, 56.5830

Conversions

Conversions Part 2

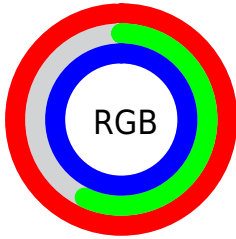
Format	Color
R_{YB}	253, 146, 255
Decimal	16618239
CIE _{Lab}	75.24, 55.74, -37.34
CIE _{LCh}	75, 67.093, 326.186
Yxy	48.6604, 0.3160, 0.2233
Android (android.graphics.Color)	4294808319 (0xFFFD92FF)
YUV	190.4190, 31.8384, 54.8835
Hunter-Lab	69.7570, 54.0708, -36.4813

Details

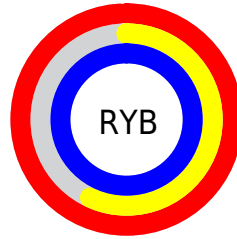
The XYZ color **68.8369, 48.6604, 100.3720** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.1622, 79.8918, 39.8152**, and the grayscale version is **48.9970, 51.5487, 56.1365**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **36.2683, 23.2008, 55.9927** is the 20% darker color. If you saturate the color by 10%, you get **65.1661, 41.5702, 99.1970**, and if you desaturate by 10%, it is **73.3877, 57.5081, 101.8400**.

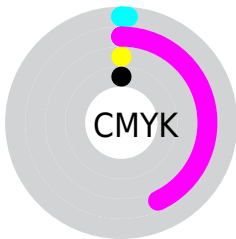
Distribution



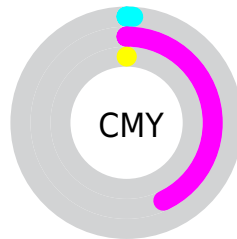
- Red (99%)
- Green (57%)
- Blue (100%)



- Red (99%)
- Yellow (57%)
- Blue (100%)



- Cyan (1%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8369, 48.6604, 100.3720 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 68.8369, 48.6604, 100.3720 by changing the saturation by 10% instead.


 68.8369, 48.6604,
100.3720


 68.8369, 48.6604,
100.3720


445.7859,
381.4039, 582.6415

 50.8551, 34.3502,
75.9926


 116.5839, 88.1869,
163.7246

 36.3138, 23.1627,
55.9198


 147.0798,
114.1719, 203.5350

 24.8479, 14.7137,
39.7351


182.4778,
144.8173, 249.3261

 16.0919, 8.6187,
27.0199

223.1432,
180.5075, 301.5164

 9.6805, 4.4933,
17.3556

269.4413,
221.6268, 360.5246

 5.2483, 1.9532,
10.3237

321.7376,

 2.4299, 0.5801,

268.5597, 426.7692

5.5057

380.3973,
321.6906, 500.6686

■ 0.8600, 0.0000,
2.4830

■ 0.0000, 0.0000,
0.8311

■ 68.8369, 48.6604,
100.3720

■ 68.8369, 48.6604,
100.3720

■ 65.1661, 41.5702,
99.1970

■ 73.3877, 57.5081,
101.8400

■ 62.3118, 36.1134,
98.2941

■ 78.8675, 68.2140,
103.6176

■ 60.2093, 32.1594,
97.6418

■ 85.3270, 80.8788,
105.7217

■ 58.7820, 29.5555,
97.2144

■ 92.8120, 95.5940,
108.1675

■ 57.9374, 28.1161,
96.9811

95.0500, 100.0000,
108.9000

■ 57.5909, 27.6041,
96.9005

Harmonies

Analogous

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



57.5022, 48.6604, 140.0714



68.8369, 48.6604, 100.3720



74.1177, 48.6604, 57.6213

Triad

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



68.8369, 48.6604, 100.3720



47.8427, 48.6604, 10.0431



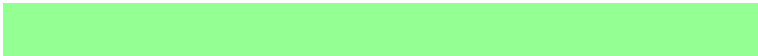
28.0945, 48.6604, 88.8828

Complementary

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



68.8369, 48.6604, 100.3720



53.1622, 79.8918, 39.8152

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.



26.4238, 48.6604, 48.6004



68.8369, 48.6604, 100.3720



36.5711, 48.6604, 12.4611

Square

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



68.8369, 48.6604, 100.3720



60.7134, 48.6604, 14.2594



29.2391, 48.6604, 23.5024



34.2884, 48.6604, 131.6256

Rectangle

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



68.8369, 48.6604, 100.3720



72.9111, 48.6604, 36.2429



29.2391, 48.6604, 23.5024



27.0385, 48.6604, 74.2165

Sweetspot

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



68.8384, 48.6625, 100.3724



85.1482, 80.5278, 105.6634



40.7539, 35.0291, 99.2211



17.9027, 16.6033, 22.5111



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.



68.8384, 48.6625, 100.3724



65.7455, 42.6852, 99.3816



62.4352, 46.1857, 62.8363



18.7578, 18.2824, 22.7902



30.1075, 14.4315, 50.6333



2.9416, 1.4104, 4.9305

Inverse Universe

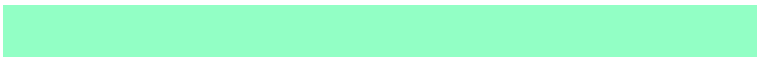
The Inverse Universe completely reimagines the original color for something new.



56.8654, 43.9578, 33.5062



52.4199, 37.4556, 24.6599



57.6782, 81.6568, 65.4665



18.0229, 17.9925, 18.7377



21.5680, 11.1165, 1.1096



2.1045, 1.0842, 0.1319

Previews

White Background



This preview shows how the XYZ color 68.8369, 48.6604, 100.3720 looks on a white background.

Color Contrast Check

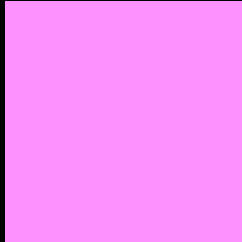
Large Text (above 18pt) WCAG AA × Fail

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 68.8369, 48.6604, 100.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

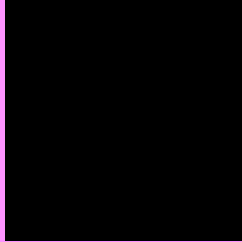
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8369, 48.6604, 100.3720

Background



This preview shows how black text looks on a background with the XYZ color 68.8369, 48.6604, 100.3720.



This preview shows how white text looks on a background with the XYZ color 68.8369, 48.6604,

100.3720.

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

68.8369, 48.6604, 100.3720

Protanopia

50.0877, 48.8735, 101.4014

Deuteranopia

50.2389, 49.0793, 95.6323



Tritanopia

58.0741, 48.7402, 47.4213

Trichromacy



Original Color

68.8369, 48.6604, 100.3720



Protanomaly

55.1897, 47.7052, 100.9070



Deuteranomaly

55.6067, 47.9938, 97.5997

Tritanomaly

61.4342, 48.2959, 63.8417

Monochromacy



Original Color

68.8369, 48.6604, 100.3720



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.7142, 49.2733, 70.2453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8369, 48.6604, 100.3720 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(253, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 146, 255)  
}
```

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(253, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.8369, 48.6604, 100.3720 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(253, 146, 255) }
```


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

```
.border{ border-color:rgb(253, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8369, 48.6604, 100.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 146, 255) }
```

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

```
.background{ background-color: rgb(253,  
146, 255) }
```

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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