

Converting Colors

XYZ(70.3367, 51.1246, 98.9626)

Have a look what the booklet for
XYZ(70.3367, 51.1246, 98.9626)
contains.

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Color

**XYZ(70.3609, 51.1343,
99.0900)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99FD
RGB	255, 153, 253
RGB Percent	100%, 60%, 99%
CMY	0.0000, 0.4000, 0.0078
CMYK	0.00, 0.40, 0.01, 0.00
HSL	301°, 100%, 80%
HSV	301°, 40%, 100%
XYZ	70.3609, 51.1343, 99.0900
YIQ	194.8980, 28.6920, 52.7240

Conversions

Conversions Part 2

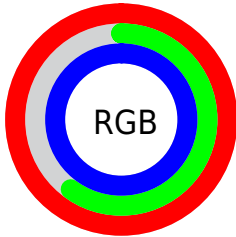
Format	Color
R _Y B	255, 153, 253
Decimal	16751101
CIE _{Lab}	76.76, 52.48, -33.88
CIE _{LCh}	77, 62.467, 327.152
Yxy	51.1343, 0.3190, 0.2318
Android (android.graphics.Color)	4294941181 (0xFFFF99FD)
YUV	194.8980, 28.6443, 52.7095
Hunter-Lab	71.5083, 50.4965, -32.1032

Details

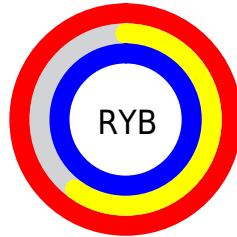
The XYZ color **70.3609, 51.1343, 99.0900** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.8147, 80.6596, 43.6923**, and the grayscale version is **51.6352, 54.3243, 59.1592**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **37.4516, 24.7795, 55.0336** is the 20% darker color. If you saturate the color by 10%, you get **66.5451, 43.6298, 97.4264**, and if you desaturate by 10%, it is **75.0707, 60.4262, 101.0540**.

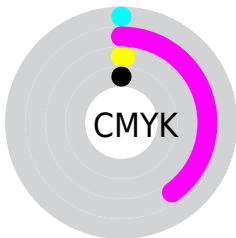
Distribution



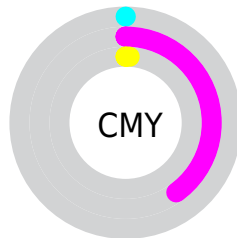
- Red (100%)
- Green (60%)
- Blue (99%)



- Red (100%)
- Yellow (60%)
- Blue (99%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3609, 51.1343, 99.0900 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 70.3609, 51.1343, 99.0900 by changing the saturation by 10% instead.


 70.3609, 51.1343,
99.0900

 70.3609, 51.1343,
99.0900


451.0628,
391.0853, 578.4929

 52.1015, 36.3155,
74.9281


 118.7467, 91.8533,
161.9470

 37.3106, 24.6780,
55.0526

 149.6039,
118.5222, 201.4793

 25.6228, 15.8373,
39.0450


185.3909,
149.9100, 246.9720

 16.6729, 9.4091,
26.4866

226.4733,
186.4010, 298.8439

 10.0954, 5.0090,
16.9590

273.2163,
228.3797, 357.5134

 5.5250, 2.2525,
10.0436

325.9853,

 2.5964, 0.7484,

276.2303, 423.3990

5.3219

385.1457,
330.3374, 496.9193

■ 0.9441, 0.0000,
2.3753

■ 0.0000, 0.0000,
0.7730

■ 70.3609, 51.1343,
99.0900

■ 70.3609, 51.1343,
99.0900

■ 66.5451, 43.6298,
97.4264

■ 75.0707, 60.4262,
101.0540

■ 63.5628, 37.7922,
96.0410

■ 80.7237, 71.6042,
103.3327

■ 61.3512, 33.4955,
94.9135

■ 87.3691, 84.7667,
105.9433

■ 59.8369, 30.5933,
94.0195

95.0500, 100.0000,
108.9000

■ 58.9327, 28.9107,
93.3298

■ 58.4957, 28.1624,
92.7970

■ 58.4956, 28.1622,
92.7969

Harmonies

Analogous

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



59.7559, 51.1343, 136.2389



70.3609, 51.1343, 99.0900



75.0881, 51.1343, 58.9817

Triad

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



70.3609, 51.1343, 99.0900



49.7424, 51.1343, 12.6311



31.0194, 51.1343, 91.0705

Complementary

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



70.3609, 51.1343, 99.0900



54.8147, 80.6596, 43.6923

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.



29.2155, 51.1343, 52.4973



70.3609, 51.1343, 99.0900



38.9297, 51.1343, 15.4642

Square

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



70.3609, 51.1343, 99.0900



62.0344, 51.1343, 16.8856



31.8661, 51.1343, 27.2573



37.2631, 51.1343, 130.4367

Rectangle

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



70.3609, 51.1343, 99.0900



73.7794, 51.1343, 38.5682



31.8661, 51.1343, 27.2573



29.9227, 51.1343, 77.2171

Sweetspot

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



70.3619, 51.1362, 99.0910



85.9569, 81.9680, 105.3933



42.9033, 36.9438, 99.4774



18.2059, 17.1632, 22.4833



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.



70.3619, 51.1362, 99.0910



67.2390, 44.9922, 97.7360



63.3287, 48.3230, 62.0548



18.7764, 18.2939, 22.7057



30.5722, 14.7182, 48.5252



2.9814, 1.4349, 4.7496

Inverse Universe

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



70.3619, 51.1362, 99.0910



67.2390, 44.9922, 97.7360



60.0024, 82.7347, 71.0103



18.7764, 18.2939, 22.7057



30.5722, 14.7182, 48.5252



2.9814, 1.4349, 4.7496

Previews

White Background



This preview shows how the XYZ color 70.3609, 51.1343, 99.0900 looks on a white background.

Color Contrast Check

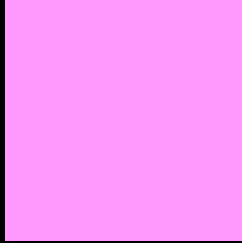
Large Text (above 18pt) WCAG AA × Fail

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 70.3609, 51.1343, 99.0900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

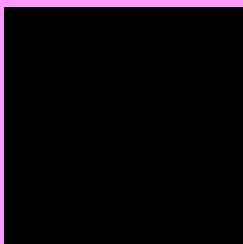
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3609, 51.1343, 99.0900

Background



This preview shows how black text looks on a background with the XYZ color 70.3609, 51.1343, 99.0900.



This preview shows how white text looks on a background with the XYZ color 70.3609, 51.1343,

99.0900.

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

70.3609, 51.1343, 99.0900

Protanopia

52.3954, 51.6215, 101.8101

Deuteranopia

52.9189, 51.7210, 95.1897



Tritanopia

60.3492, 50.9343, 50.3666

Trichromacy



Original Color

70.3609, 51.1343, 99.0900



Protanomaly

57.0388, 50.0951, 100.4290



Deuteranomaly

57.8825, 50.6213, 96.3427



Tritanomaly

63.4266, 50.8391, 65.5015

Monochromacy



Original Color

70.3609, 51.1343, 99.0900



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

57.3312, 52.3521, 72.0490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3609, 51.1343, 99.0900 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, 153, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 253)  
}
```

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, 153, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 253) }
```

Border

The CSS property to change the border of an element to XYZ 70.3609, 51.1343, 99.0900 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, 153, 253) }
```


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

```
.border{ border-color:rgb(255, 153, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3609, 51.1343, 99.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 253) }
```

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

```
.background{ background-color: rgb(255,  
153, 253) }
```

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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