

Converting Colors

XYZ(102.2830, 68.7377,
101.1395)

Have a look what the booklet for
XYZ(102.2830, 68.7377, 101.1395)
contains.

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Color

**XYZ(71.1965, 52.8056,
99.3685)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9EFD
RGB	255, 158, 253
RGB Percent	100%, 62%, 99%
CMY	0.0000, 0.3804, 0.0078
CMYK	0.00, 0.38, 0.01, 0.00
HSL	301°, 100%, 81%
HSV	301°, 38%, 100%
XYZ	71.1965, 52.8056, 99.3685
YIQ	197.8330, 27.3170, 50.1090

Conversions

Conversions Part 2

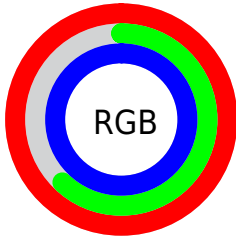
Format	Color
RYB	255, 158, 253
Decimal	16752381
CIELab	77.76, 49.95, -32.34
CIElCh	78, 59.508, 327.080
Yxy	52.8056, 0.3187, 0.2364
Android (android.graphics.Color)	4294942461 (0xFFFF9EFD)
YUV	197.8330, 27.1973, 50.1355
Hunter-Lab	72.6675, 47.7187, -30.2084

Details

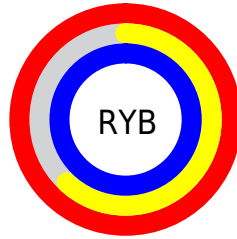
The XYZ color **71.1965, 52.8056, 99.3685** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.2073, 81.3279, 45.9954**, and the grayscale version is **53.4050, 56.1862, 61.1868**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **37.9401, 25.7565, 55.1964** is the 20% darker color. If you saturate the color by 10%, you get **67.2062, 44.9585, 97.6265**, and if you desaturate by 10%, it is **76.0916, 62.4615, 101.4146**.

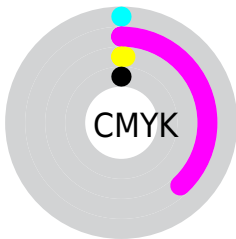
Distribution



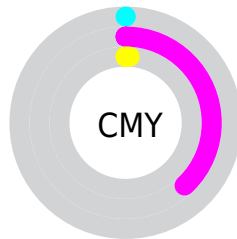
- Red (100%)
- Green (62%)
- Blue (99%)



- Red (100%)
- Yellow (62%)
- Blue (99%)



- Cyan (0%)
- Magenta (38%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.1965, 52.8056, 99.3685 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 71.1965, 52.8056, 99.3685 by changing the saturation by 10% instead.


 71.1965, 52.8056,
99.3685

 71.1965, 52.8056,
99.3685


453.9412,
397.5388, 579.3955

 52.7857, 37.6476,
75.1593

 119.9305, 94.3182,
162.3334

 37.8585, 25.7093,
55.2409

 150.9843,
121.4417, 201.9262

 26.0496, 16.6063,
39.1947


186.9833,
153.3224, 247.4839

 16.9936, 9.9542,
26.6022

228.2926,
190.3448, 299.4251

 10.3252, 5.3686,
17.0449

275.2777,
232.8932, 358.1683

 5.6790, 2.4651,
10.1042

328.3039,

 2.6897, 0.8591,

281.3521, 424.1321

5.3616

387.7367,
336.1059, 497.7350

■ 0.9919, 0.0000,
2.3985

■ 0.0000, 0.0000,
0.7856

■ 71.1965, 52.8056,
99.3685

■ 71.1965, 52.8056,
99.3685

■ 67.2062, 44.9585,
97.6265

■ 76.0916, 62.4615,
101.4146

■ 64.0610, 38.8017,
96.1668

■ 81.9396, 74.0229,
103.7788

■ 61.6997, 34.2121,
94.9694

■ 88.7891, 87.5869,
106.4779

■ 60.0510, 31.0476,
94.0107

95.0500, 100.0000,
108.9000

■ 59.0311, 29.1399,
93.2627

■ 58.5257, 28.2612,
92.6874

■ 58.4552, 28.1461,
92.5841

Harmonies

Analogous

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



60.9749, 52.8056, 134.5864



71.1965, 52.8056, 99.3685



75.7483, 52.8056, 60.7918

Triad

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



71.1965, 52.8056, 99.3685



51.3280, 52.8056, 14.5389



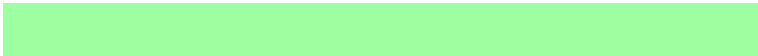
32.9246, 52.8056, 91.5170

Complementary

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



71.1965, 52.8056, 99.3685



56.2073, 81.3279, 45.9954

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.



31.1443, 52.8056, 54.3222



71.1965, 52.8056, 99.3685



40.7585, 52.8056, 17.4666

Square

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



71.1965, 52.8056, 99.3685



63.2293, 52.8056, 18.9694



33.7846, 52.8056, 29.4315



39.0794, 52.8056, 128.9644

Rectangle

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



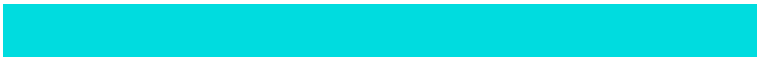
71.1965, 52.8056, 99.3685



74.5064, 52.8056, 40.7905



33.7846, 52.8056, 29.4315



31.8399, 52.8056, 78.2349

Sweetspot

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



71.1976, 52.8076, 99.3696



86.6525, 83.3536, 105.6423



44.6997, 39.1105, 99.8009



18.3444, 17.4395, 22.5321



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.



71.1976, 52.8076, 99.3696



67.9486, 46.4162, 97.9580



64.4736, 50.1180, 63.9613



18.7756, 18.2935, 22.7013



30.5515, 14.7099, 48.4159



2.9796, 1.4342, 4.7402

Inverse Universe

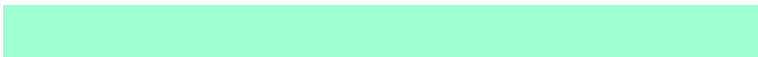
The Inverse Universe completely reimagines the original color for something new.



71.1976, 52.8076, 99.3696



67.9486, 46.4162, 97.9580



61.2616, 83.3496, 72.6109



18.7756, 18.2935, 22.7013



30.5515, 14.7099, 48.4159



2.9796, 1.4342, 4.7402

Previews

White Background



This preview shows how the XYZ color 71.1965, 52.8056, 99.3685 looks on a white background.

Color Contrast Check

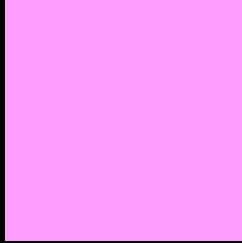
Large Text (above 18pt) WCAG AA × Fail

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 71.1965, 52.8056, 99.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

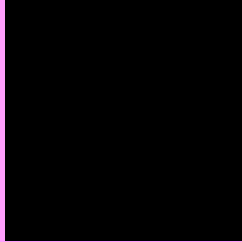
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.1965, 52.8056, 99.3685

Background



This preview shows how black text looks on a background with the XYZ color 71.1965, 52.8056, 99.3685.



This preview shows how white text looks on a background with the XYZ color 71.1965, 52.8056,

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

71.1965, 52.8056, 99.3685

Protanopia

54.1364, 53.4803, 102.0772

Deuteranopia

54.2775, 53.0557, 95.3757



Tritanopia

61.5155, 52.6007, 52.8097

Trichromacy



Original Color

71.1965, 52.8056, 99.3685



Protanomaly

58.6381, 52.0925, 100.7302



Deuteranomaly

59.3138, 52.2357, 96.5788



Tritanomaly

64.5185, 52.4303, 67.6923

Monochromacy



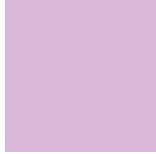
Original Color

71.1965, 52.8056, 99.3685



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.8018, 53.9890, 73.6514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1965, 52.8056, 99.3685 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, 158, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 253) }
```

Border

The CSS property to change the border of an element to XYZ 71.1965, 52.8056, 99.3685 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, 158, 253) }
```


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

```
.border{ border-color:rgb(255, 158, 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, 158, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1965, 52.8056, 99.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 253) }
```

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

```
.background{ background-color: rgb(255,  
158, 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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