

Converting Colors

XYZ(70.1603, 52.7684,
100.7989)

Have a look what the booklet for
XYZ(70.1603, 52.7684, 100.7989)
contains.

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Color

**XYZ(70.0451, 52.6856,
101.0853)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FAA0FF |
| RGB | 250, 160, 255 |
| RGB Percent | 98%, 63%, 100% |
| CMY | 0.0196, 0.3725, 0.0000 |
| CMYK | 0.02, 0.37, 0.00, 0.00 |
| HSL | 297°, 100%, 81% |
| HSV | 297°, 37%, 100% |
| XYZ | 70.0451, 52.6856, 101.0853 |
| YIQ | 197.7400, 23.1450, 48.6250 |

Conversions

Conversions Part 2

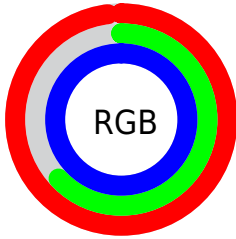
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 250, 160, 255 |
| Decimal | 16425215 |
| CIE _{Lab} | 77.69, 47.80, -33.57 |
| CIE _{LCh} | 78, 58.412, 324.915 |
| Yxy | 52.6856, 0.3130, 0.2354 |
| Android (android.graphics.Color) | 4294615295 (0xFFFAA0FF) |
| YUV | 197.7400, 28.2292, 45.8320 |
| Hunter-Lab | 72.5848, 45.2308, -31.7608 |

Details

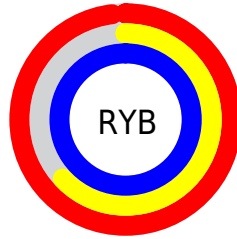
The XYZ color **70.0451, 52.6856, 101.0853** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.6235, 82.0580, 46.0620**, and the grayscale version is **53.3446, 56.1226, 61.1176**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **37.0853, 25.5918, 56.4112** is the 20% darker color. If you saturate the color by 10%, you get **65.5909, 44.4876, 99.7377**, and if you desaturate by 10%, it is **75.4124, 62.7029, 102.7359**.

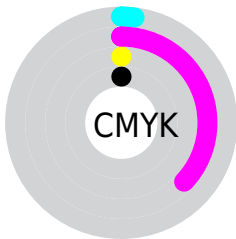
Distribution



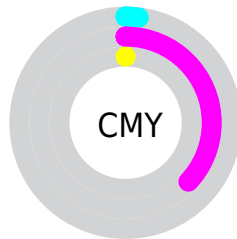
- Red (98%)
- Green (63%)
- Blue (100%)



- Red (98%)
- Yellow (63%)
- Blue (100%)



- Cyan (2%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0451, 52.6856, 101.0853 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 70.0451, 52.6856, 101.0853 by changing the saturation by 10% instead.


 70.0451, 52.6856,
101.0853


 70.0451, 52.6856,
101.0853


449.9723,
397.0777, 584.9430

 51.8430, 37.5518,
76.5853


 118.2990, 94.1416,
164.7127

 37.1037, 25.6350,
56.4030

 149.0815,
121.2326, 204.6772

 25.4619, 16.5508,
40.1200


184.7882,
153.0781, 250.6336

 16.5521, 9.9148,
27.3176

225.7845,
190.0626, 303.0004

 10.0090, 5.3425,
17.5774

272.4357,
232.5704, 362.1962

 5.4672, 2.4496,
10.4807

325.1072,

 2.5615, 0.8512,

280.9859, 428.6396

5.6091

384.1642,
335.6936, 502.7490

■ 0.9264, 0.0000,
2.5439

■ 0.0000, 0.0000,
0.8633

■ 70.0451, 52.6856,
101.0853

■ 70.0451, 52.6856,
101.0853

■ 65.5909, 44.4876,
99.7377

■ 75.4124, 62.7029,
102.7359

■ 61.9893, 37.9905,
98.6734

■ 81.7391, 74.6349,
104.7056

■ 59.1798, 33.0727,
97.8723

■ 89.0741, 88.5784,
107.0104

■ 57.0921, 29.5935,
97.3108

95.0500, 100.0000,
108.9000

■ 55.6435, 27.3873,
96.9613

■ 54.7272, 26.2407,
96.7883

■ 54.5248, 26.0234,
96.7570

Harmonies

Analogous

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



59.7994, 52.6856, 134.3386



70.0451, 52.6856, 101.0853



74.9882, 52.6856, 63.0597

Triad

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



70.0451, 52.6856, 101.0853



52.0267, 52.6856, 15.0250



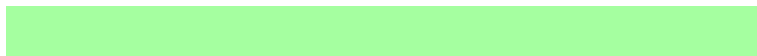
32.8411, 52.6856, 87.7792

Complementary

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



70.0451, 52.6856, 101.0853



57.6235, 82.0580, 46.0620

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.



31.4007, 52.6856, 52.0251



70.0451, 52.6856, 101.0853



41.4684, 52.6856, 17.4120

Square

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



70.0451, 52.6856, 101.0853



63.6331, 52.6856, 20.0237



34.3163, 52.6856, 28.5154



38.5959, 52.6856, 124.8452

Rectangle

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



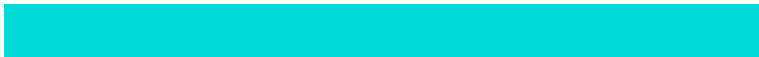
70.0451, 52.6856, 101.0853



74.1450, 52.6856, 42.7923



34.3163, 52.6856, 28.5154



31.8768, 52.6856, 74.9207

Sweetspot

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



70.0467, 52.6879, 101.0856



86.2045, 83.1120, 106.1065



46.2462, 42.0899, 100.2945



18.2368, 17.3814, 22.6437



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.



70.0467, 52.6879, 101.0856



66.5181, 46.1821, 100.0159



65.9284, 51.2502, 69.9259



18.6927, 18.2488, 22.7871



28.5314, 13.6190, 50.5595



2.8058, 1.3404, 4.9241

Inverse Universe

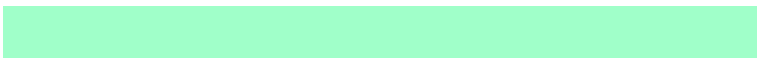
The Inverse Universe completely reimagines the original color for something new.



60.6037, 49.1203, 41.8862



55.8654, 42.1736, 32.5076



60.8209, 83.2192, 68.2205



18.0481, 18.0026, 18.8705



21.6039, 11.1309, 1.2988



2.1165, 1.0890, 0.1950

Previews

White Background



This preview shows how the XYZ color 70.0451, 52.6856, 101.0853 looks on a white background.

Color Contrast Check

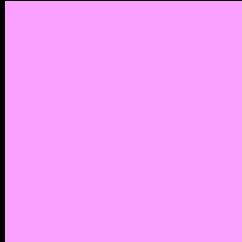
Large Text (above 18pt) WCAG AA × Fail

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 70.0451, 52.6856, 101.0853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

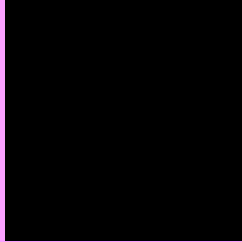
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0451, 52.6856, 101.0853

Background



This preview shows how black text looks on a background with the XYZ color 70.0451, 52.6856, 101.0853.



This preview shows how white text looks on a background with the XYZ color 70.0451, 52.6856,

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

70.0451, 52.6856, 101.0853

Protanopia

53.6970, 52.9311, 101.9943

Deuteranopia

54.2753, 53.0006, 97.8120



Tritanopia

60.3813, 52.5607, 53.9765

Trichromacy



Original Color

70.0451, 52.6856, 101.0853



Protanomaly

58.2575, 51.8777, 101.5506



Deuteranomaly

58.6679, 51.8482, 99.0110

Tritanomaly

63.3799, 52.3625, 69.0538

Monochromacy



Original Color

70.0451, 52.6856, 101.0853



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.5419, 54.1472, 74.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0451, 52.6856, 101.0853 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(250, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 160, 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(250, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.0451, 52.6856, 101.0853 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(250, 160, 255) }
```


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

```
.border{ border-color:rgb(250, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0451, 52.6856, 101.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 160, 255) }
```

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

```
.background{ background-color: rgb(250,  
160, 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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