

Converting Colors

XYZ(70.8671, 52.7011, 97.5499)

Have a look what the booklet for
XYZ(70.8671, 52.7011, 97.5499)
contains.

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Color

**XYZ(70.8794, 52.6788,
97.6990)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9EFB
RGB	255, 158, 251
RGB Percent	100%, 62%, 98%
CMY	0.0000, 0.3804, 0.0157
CMYK	0.00, 0.38, 0.02, 0.00
HSL	302°, 100%, 81%
HSV	302°, 38%, 100%
XYZ	70.8794, 52.6788, 97.6990
YIQ	197.6050, 27.9590, 49.4870

Conversions

Conversions Part 2

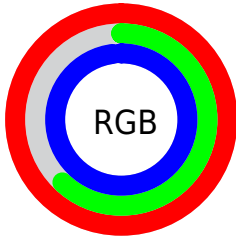
Format	Color
R _Y B	255, 158, 251
Decimal	16752379
CIE Lab	77.68, 49.60, -31.38
CIE LCh	78, 58.693, 327.683
Yxy	52.6788, 0.3203, 0.2381
Android (android.graphics.Color)	4294942459 (0xFFFF9EFB)
YUV	197.6050, 26.3237, 50.3354
Hunter-Lab	72.5802, 47.3019, -29.0032

Details

The XYZ color **70.8794, 52.6788, 97.6990** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.3838, 81.3985, 46.9246**, and the grayscale version is **53.2719, 56.0462, 61.0343**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **37.7139, 25.6660, 54.0052** is the 20% darker color. If you saturate the color by 10%, you get **66.8075, 44.7991, 95.5269**, and if you desaturate by 10%, it is **75.8570, 62.3677, 100.1789**.

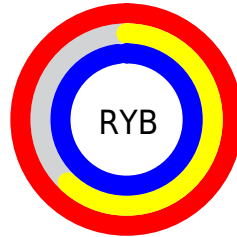
Distribution



Red (100%)

Green (62%)

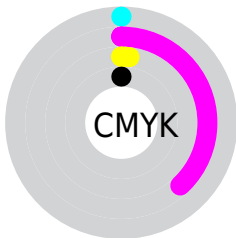
Blue (98%)



Red (100%)

Yellow (62%)

Blue (98%)

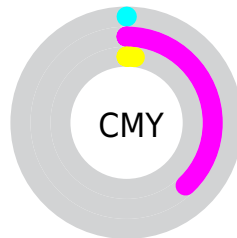


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8794, 52.6788, 97.6990 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 70.8794, 52.6788, 97.6990 by changing the saturation by 10% instead.


 70.8794, 52.6788,
97.6990


 70.8794, 52.6788,
97.6990

452.8501,
397.0516, 573.9735

 52.5260, 37.5464,
73.7741

 119.4814, 94.1316,
160.0157

 37.6504, 25.6308,
54.1135

 150.4607,
121.2207, 199.2445

 25.8875, 16.5477,
38.2986


186.3794,
153.0643, 244.4118

 16.8717, 9.9125,
25.9109

227.6027,
190.0466, 295.9361

 10.2378, 5.3410,
16.5318

274.4961,
232.5521, 354.2358

 5.6204, 2.4487,
9.7429

327.4249,

 2.6541, 0.8508,

280.9652, 419.7296

5.1254

386.7545,
335.6702, 492.8360

■ 0.9736, 0.0000,
2.2610

■ 0.0000, 0.0000,
0.7093

■ 70.8794, 52.6788,
97.6990

■ 70.8794, 52.6788,
97.6990

■ 66.8075, 44.7991,
95.5269

■ 75.8570, 62.3677,
100.1789

■ 63.5813, 38.6099,
93.6405

■ 81.7881, 73.9624,
102.9805

■ 61.1397, 33.9882,
92.0202

■ 88.7213, 87.5599,
106.1208

■ 59.4114, 30.7917,
90.6422

95.0500, 100.0000,
108.9000

■ 58.3124, 28.8525,
89.4785

■ 57.7288, 27.9425,
88.4910

■ 57.6431, 27.8212,
88.3073

Harmonies

Analogous

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



60.9128, 52.6788, 132.4546



70.8794, 52.6788, 97.6990



75.2056, 52.6788, 59.9235

Triad

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



70.8794, 52.6788, 97.6990



50.9575, 52.6788, 14.8207



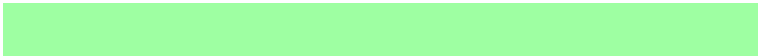
33.1179, 52.6788, 91.5864

Complementary

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



70.8794, 52.6788, 97.6990



56.3838, 81.3985, 46.9246

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.



31.2698, 52.6788, 54.8673



70.8794, 52.6788, 97.6990



40.5962, 52.6788, 17.8945

Square

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



70.8794, 52.6788, 97.6990



62.6717, 52.6788, 19.0827



33.7925, 52.6788, 30.0044



39.2814, 52.6788, 128.0871

Rectangle

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



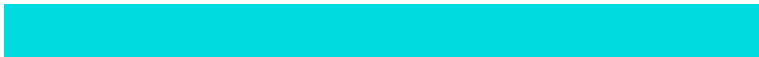
70.8794, 52.6788, 97.6990



73.8840, 52.6788, 40.3850



33.7925, 52.6788, 30.0044



32.0163, 52.6788, 78.5240

Sweetspot

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



70.8806, 52.6809, 97.7001



86.5597, 83.3166, 105.1541



45.0241, 39.2777, 99.8161



18.3221, 17.4306, 22.4148



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.



70.8806, 52.6809, 97.7001



67.5665, 46.2634, 95.9456



64.2796, 50.0405, 62.9396



18.7584, 18.2867, 22.6109



30.1340, 14.5429, 46.2178



2.9437, 1.4199, 4.5510

Inverse Universe

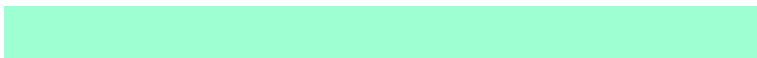
The Inverse Universe completely reimagines the original color for something new.



70.8806, 52.6809, 97.7001



67.5665, 46.2634, 95.9456



61.4618, 83.4297, 73.6648



18.7584, 18.2867, 22.6109



30.1340, 14.5429, 46.2178



2.9437, 1.4199, 4.5510

Previews

White Background



This preview shows how the XYZ color 70.8794, 52.6788, 97.6990 looks on a white background.

Color Contrast Check

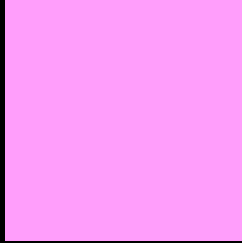
Large Text (above 18pt) WCAG AA × Fail

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 70.8794, 52.6788, 97.6990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

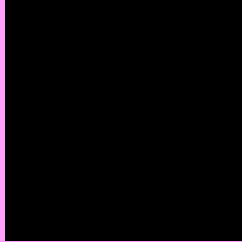
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.8794, 52.6788, 97.6990

Background



This preview shows how black text looks on a background with the XYZ color 70.8794, 52.6788, 97.6990.



This preview shows how white text looks on a background with the XYZ color 70.8794, 52.6788,

97.6990.

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

70.8794, 52.6788, 97.6990

Protanopia

53.6970, 52.9311, 101.9943

Deuteranopia

54.2075, 53.0550, 93.7698



Tritanopia

61.8673, 52.7820, 52.8261

Trichromacy



Original Color

70.8794, 52.6788, 97.6990



Protanomaly

58.4384, 51.6931, 100.6637



Deuteranomaly

59.0034, 52.1115, 94.9444



Tritanomaly

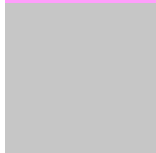
64.7517, 52.5649, 67.0549

Monochromacy



Original Color

70.8794, 52.6788, 97.6990



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.6713, 53.9368, 72.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8794, 52.6788, 97.6990 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 251) }
```

Border

The CSS property to change the border of an element to XYZ 70.8794, 52.6788, 97.6990 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, 251) }
```


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

```
.border{ border-color:rgb(255, 158, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8794, 52.6788, 97.6990 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, 251) }
```

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

```
.background{ background-color: rgb(255,  
158, 251) }
```

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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