

Converting Colors

XYZ(70.7370, 52.8958, 96.1042)

Have a look what the booklet for
XYZ(70.7370, 52.8958, 96.1042)
contains.

XYZ(70.7370, 52.8958, 96.1042)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.7370, 52.8958,
96.1042)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9FF9
RGB	255, 159, 249
RGB Percent	100%, 62%, 98%
CMY	0.0000, 0.3764, 0.0235
CMYK	0.00, 0.38, 0.02, 0.00
HSL	304°, 100%, 81%
HSV	304°, 38%, 100%
XYZ	70.7370, 52.8958, 96.1042
YIQ	197.9640, 28.3260, 48.3420

Conversions

Conversions Part 2

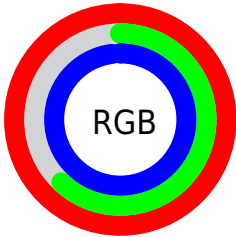
Format	Color
R _{YB}	255, 159, 249
Decimal	16752633
CIE _{Lab}	77.81, 48.74, -30.10
CIE _{LCh}	78, 57.289, 328.304
Yxy	52.8958, 0.3219, 0.2407
Android (android.graphics.Color)	4294942713 (0xFFFF9FF9)
YUV	197.9640, 25.1607, 50.0206
Hunter-Lab	72.7295, 46.3332, -27.4347

Details

The XYZ color **70.7370, 52.8958, 96.1042** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.8512, 81.6083, 48.3552**, and the grayscale version is **53.4959, 56.2818, 61.2909**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **37.5920, 25.7792, 52.8637** is the 20% darker color. If you saturate the color by 10%, you get **66.5484, 44.9145, 93.4875**, and if you desaturate by 10%, it is **75.8345, 62.6910, 99.0357**.

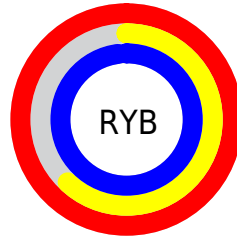
Distribution



Red (100%)

Green (62%)

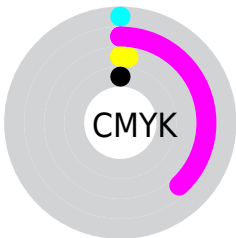
Blue (98%)



Red (100%)

Yellow (62%)

Blue (98%)

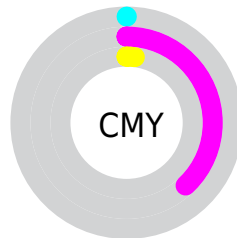


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7370, 52.8958, 96.1042 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 70.7370, 52.8958, 96.1042 by changing the saturation by 10% instead.


 70.7370, 52.8958,
96.1042


 70.7370, 52.8958,
96.1042


452.3597,
397.8852, 568.7683

 52.4094, 37.7196,
72.4524


 119.2797, 94.4510,
157.7979

 37.5571, 25.7651,
53.0392


 150.2255,
121.5988, 196.6769

 25.8147, 16.6480,
37.4461


186.1081,
153.5060, 241.4686

 16.8170, 9.9839,
25.2546

227.2927,
190.5568, 292.5917

 10.1986, 5.3883,
16.0461

274.1449,
233.1357, 350.4647

 5.5941, 2.4768,
9.4021

327.0298,

 2.6382, 0.8650,

281.6272, 415.5061

4.9040

386.3130,
336.4156, 488.1345

■ 0.9655, 0.0000,
2.1333

■ 0.0000, 0.0000,
0.6355

■ 70.7370, 52.8958,
96.1042

■ 70.7370, 52.8958,
96.1042

■ 66.5484, 44.9145,
93.4875

■ 75.8345, 62.6910,
99.0357

■ 63.2091, 38.6287,
91.1635

■ 81.8885, 74.3963,
102.2958

■ 60.6582, 33.9162,
89.1127

■ 88.9478, 88.1085,
105.9014

■ 58.8247, 30.6353,
87.3114

95.0500, 100.0000,
108.9000

■ 57.6254, 28.6194,
85.7318

■ 56.9502, 27.6484,
84.3371

■ 56.8294, 27.4958,
84.0229

Harmonies

Analogous

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



61.1035, 52.8958, 130.0257



70.7370, 52.8958, 96.1042



74.8027, 52.8958, 59.4252

Triad

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



70.7370, 52.8958, 96.1042



50.9111, 52.8958, 15.5242



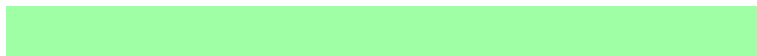
33.7112, 52.8958, 91.7571

Complementary

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



70.7370, 52.8958, 96.1042



56.8512, 81.6083, 48.3552

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.



31.7986, 52.8958, 55.8019



70.7370, 52.8958, 96.1042



40.8094, 52.8958, 18.7689

Square

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



70.7370, 52.8958, 96.1042



62.3598, 52.8958, 19.6400



34.1981, 52.8958, 31.0526



39.8634, 52.8958, 126.9329

Rectangle

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



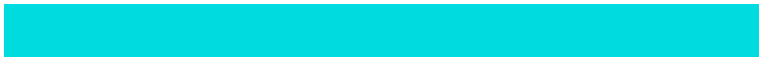
70.7370, 52.8958, 96.1042



73.4146, 52.8958, 40.4336



34.1981, 52.8958, 31.0526



32.5948, 52.8958, 79.0312

Sweetspot

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



70.7382, 52.8979, 96.1053



86.4644, 83.2784, 104.6522



45.7189, 39.8901, 99.8977



18.2992, 17.4214, 22.2943



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.



70.7382, 52.8979, 96.1053



67.5714, 46.8560, 94.1504



64.3239, 50.3322, 62.3282



18.7408, 18.2796, 22.5180



29.7157, 14.3756, 44.0146



2.9076, 1.4054, 4.3606

Inverse Universe

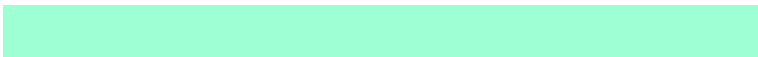
The Inverse Universe completely reimagines the original color for something new.



70.7382, 52.8979, 96.1053



67.5714, 46.8560, 94.1504



61.9180, 83.6350, 75.0366



18.7408, 18.2796, 22.5180



29.7157, 14.3756, 44.0146



2.9076, 1.4054, 4.3606

Previews

White Background



This preview shows how the XYZ color 70.7370, 52.8958, 96.1042 looks on a white background.

Color Contrast Check

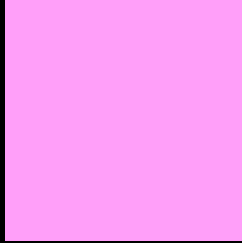
Large Text (above 18pt) WCAG AA × Fail

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 70.7370, 52.8958, 96.1042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

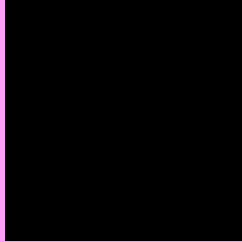
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7370, 52.8958, 96.1042

Background



This preview shows how black text looks on a background with the XYZ color 70.7370, 52.8958, 96.1042.



This preview shows how white text looks on a background with the XYZ color 70.7370, 52.8958,

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

70.7370, 52.8958, 96.1042

Protanopia

54.1364, 53.4803, 102.0772

Deuteranopia

54.3828, 53.1805, 92.1926



Tritanopia

61.8673, 52.7820, 52.8261

Trichromacy



Original Color

70.7370, 52.8958, 96.1042



Protanomaly

58.4783, 52.0286, 99.8889



Deuteranomaly

58.9802, 52.1350, 93.3407



Tritanomaly

64.6282, 52.5155, 66.4047

Monochromacy



Original Color

70.7370, 52.8958, 96.1042



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.8783, 54.3508, 73.0332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7370, 52.8958, 96.1042 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, 159, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 249)  
}
```

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, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 249) }
```

Border

The CSS property to change the border of an element to XYZ 70.7370, 52.8958, 96.1042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

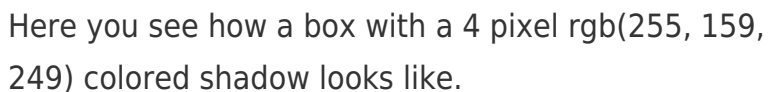
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 159, 249) }
```


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

```
.border{ border-color:rgb(255, 159, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 159, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 159, 249); box-shadow:4px 4px 4px 4px rgb(255, 159, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7370, 52.8958, 96.1042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 249) }
```

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

```
.background{ background-color: rgb(255,  
159, 249) }
```

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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