

Converting Colors

XYZ(70.5114, 52.5592, 95.6755)

Have a look what the booklet for
XYZ(70.5114, 52.5592, 95.6755)
contains.

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Color

**XYZ(70.5657, 52.5533,
96.0471)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9EF9
RGB	255, 158, 249
RGB Percent	100%, 62%, 98%
CMY	0.0000, 0.3804, 0.0235
CMYK	0.00, 0.38, 0.02, 0.00
HSL	304°, 100%, 81%
HSV	304°, 38%, 100%
XYZ	70.5657, 52.5533, 96.0471
YIQ	197.3770, 28.6010, 48.8650

Conversions

Conversions Part 2

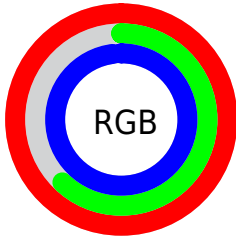
Format	Color
R _Y B	255, 158, 249
Decimal	16752377
CIE Lab	77.61, 49.25, -30.41
CIE LCh	78, 57.886, 328.306
Yxy	52.5533, 0.3220, 0.2398
Android (android.graphics.Color)	4294942457 (0xFFFF9EF9)
YUV	197.3770, 25.4501, 50.5354
Hunter-Lab	72.4937, 46.8889, -27.8080

Details

The XYZ color **70.5657, 52.5533, 96.0471** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.5630, 81.4702, 47.8685**, and the grayscale version is **53.1389, 55.9062, 60.8819**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **37.4907, 25.5767, 52.8300** is the 20% darker color. If you saturate the color by 10%, you get **66.4140, 44.6417, 93.4552**, and if you desaturate by 10%, it is **75.6242, 62.2746, 98.9528**.

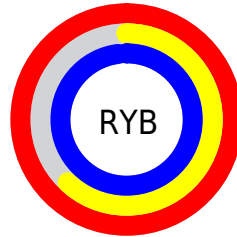
Distribution



Red (100%)

Green (62%)

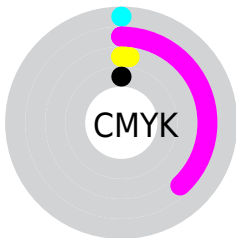
Blue (98%)



Red (100%)

Yellow (62%)

Blue (98%)

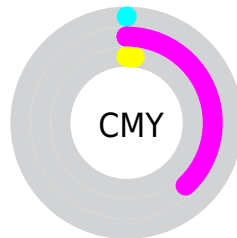


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5657, 52.5533, 96.0471 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 70.5657, 52.5533, 96.0471 by changing the saturation by 10% instead.


 70.5657, 52.5533,
96.0471


 70.5657, 52.5533,
96.0471


451.7693,
396.5689, 568.5815

 52.2691, 37.4463,
72.4051


 119.0370, 93.9467,
157.7184

 37.4448, 25.5532,
53.0008


 149.9424,
121.0019, 196.5848

 25.7273, 16.4897,
37.4157


185.7815,
152.8087, 241.3631

 16.7513, 9.8713,
25.2312

226.9196,
189.7513, 292.4718

 10.1516, 5.3137,
16.0288

273.7221,
232.2143, 350.3294

 5.5626, 2.4325,
9.3900

326.5543,

 2.6191, 0.8425,

280.5819, 415.3546

4.8961

385.7816,
335.2387, 487.9657

■ 0.9557, 0.0000,
2.1288

■ 0.0000, 0.0000,
0.6328

■ 70.5657, 52.5533,
96.0471

■ 70.5657, 52.5533,
96.0471

■ 66.4140, 44.6417,
93.4552

■ 75.6242, 62.2746,
98.9528

■ 63.1093, 38.4211,
91.1551

■ 81.6373, 73.9020,
102.1863

■ 60.5902, 33.7684,
89.1270

■ 88.6537, 87.5328,
105.7644

■ 58.7857, 30.5414,
87.3472

95.0500, 100.0000,
108.9000

■ 57.6116, 28.5721,
85.7877

■ 56.9539, 27.6325,
84.4103

■ 56.8537, 27.5055,
84.1508

Harmonies

Analogous

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



60.8532, 52.5533, 130.3468



70.5657, 52.5533, 96.0471



74.6675, 52.5533, 59.0615

Triad

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



70.5657, 52.5533, 96.0471



50.5887, 52.5533, 15.1062



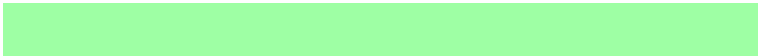
33.3130, 52.5533, 91.6620

Complementary

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



70.5657, 52.5533, 96.0471



56.5630, 81.4702, 47.8685

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.



31.3960, 52.5533, 55.4203



70.5657, 52.5533, 96.0471



40.4343, 52.5533, 18.3301

Square

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



70.5657, 52.5533, 96.0471



62.1178, 52.5533, 19.1957



33.8006, 52.5533, 30.5867



39.4855, 52.5533, 127.2203

Rectangle

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



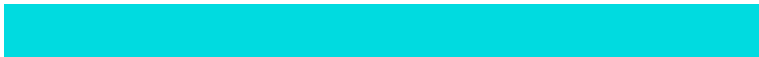
70.5657, 52.5533, 96.0471



73.2664, 52.5533, 39.9805



33.8006, 52.5533, 30.5867



32.1940, 52.5533, 78.8194

Sweetspot

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



70.5669, 52.5554, 96.0482



86.4673, 83.2796, 104.6673



45.3526, 39.4471, 99.8314



18.2999, 17.4217, 22.2979



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.



70.5669, 52.5554, 96.0482



67.1892, 46.1125, 93.9590



64.0875, 49.9636, 61.9283



18.7413, 18.2798, 22.5208



29.7281, 14.3805, 44.0803



2.9086, 1.4058, 4.3663

Inverse Universe

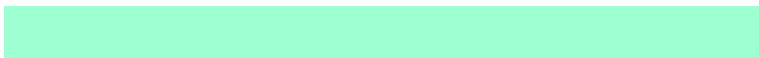
The Inverse Universe completely reimagines the original color for something new.



70.5669, 52.5554, 96.0482



67.1892, 46.1125, 93.9590



61.6639, 83.5106, 74.7292



18.7413, 18.2798, 22.5208



29.7281, 14.3805, 44.0803



2.9086, 1.4058, 4.3663

Previews

White Background



This preview shows how the XYZ color 70.5657, 52.5533, 96.0471 looks on a white background.

Color Contrast Check

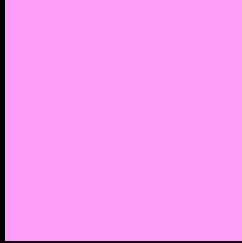
Large Text (above 18pt) WCAG AA × Fail

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 70.5657, 52.5533, 96.0471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

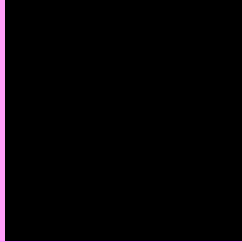
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5657, 52.5533, 96.0471

Background



This preview shows how black text looks on a background with the XYZ color 70.5657, 52.5533, 96.0471.



This preview shows how white text looks on a background with the XYZ color 70.5657, 52.5533,

96.0471.

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

70.5657, 52.5533, 96.0471

Protanopia

53.6970, 52.9311, 101.9943

Deuteranopia

53.9280, 52.6279, 92.1099



Tritanopia

61.5724, 52.3607, 52.2088

Trichromacy



Original Color

70.5657, 52.5533, 96.0471



Protanomaly

58.2786, 51.6291, 99.8223



Deuteranomaly

58.7819, 51.7385, 93.2746



Tritanomaly

64.4457, 52.1505, 66.3439

Monochromacy



Original Color

70.5657, 52.5533, 96.0471



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

58.2416, 53.7303, 72.2671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5657, 52.5533, 96.0471 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 249) }
```

Border

The CSS property to change the border of an element to XYZ 70.5657, 52.5533, 96.0471 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, 249) }
```


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

```
.border{ border-color:rgb(255, 158, 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, 158, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5657, 52.5533, 96.0471 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, 249) }
```

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

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