

Converting Colors

XYZ(86.3505, 60.3361, 94.5566)

Have a look what the booklet for
XYZ(86.3505, 60.3361, 94.5566)
contains.

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Color

**XYZ(69.7630, 51.6908,
93.4892)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9CF6
RGB	255, 156, 246
RGB Percent	100%, 61%, 96%
CMY	0.0000, 0.3882, 0.0353
CMYK	0.00, 0.39, 0.04, 0.00
HSL	305°, 100%, 81%
HSV	305°, 39%, 100%
XYZ	69.7630, 51.6908, 93.4892
YIQ	195.8610, 30.1140, 48.9780

Conversions

Conversions Part 2

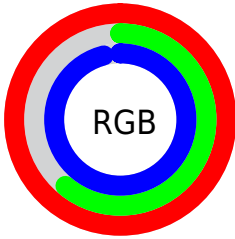
Format	Color
R _Y B	255, 156, 246
Decimal	16751862
CIE _{Lab}	77.10, 49.75, -29.58
CIE _{LCh}	77, 57.880, 329.263
Yxy	51.6908, 0.3246, 0.2405
Android (android.graphics.Color)	4294941942 (0xFFFF9CF6)
YUV	195.8610, 24.7185, 51.8649
Hunter-Lab	71.8963, 47.3850, -26.7694

Details

The XYZ color **69.7630, 51.6908, 93.4892** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.2635, 81.3053, 48.3279**, and the grayscale version is **52.2314, 54.9515, 59.8422**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **36.9626, 25.0472, 51.0306** is the 20% darker color. If you saturate the color by 10%, you get **65.5711, 43.8726, 90.3480**, and if you desaturate by 10%, it is **74.8598, 61.3111, 96.9553**.

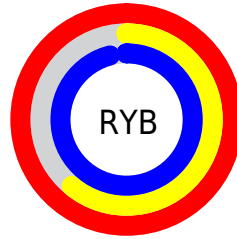
Distribution



Red (100%)

Green (61%)

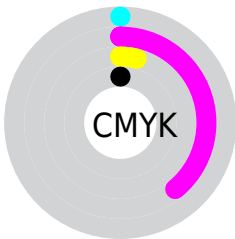
Blue (96%)



Red (100%)

Yellow (61%)

Blue (96%)

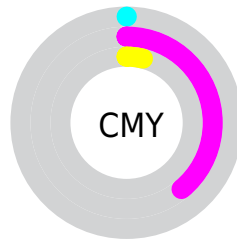


Cyan (0%)

Magenta (39%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7630, 51.6908, 93.4892 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 69.7630, 51.6908, 93.4892 by changing the saturation by 10% instead.


 69.7630, 51.6908,
93.4892


 69.7630, 51.6908,
93.4892


448.9968,
393.2418, 560.1772

 51.6122, 36.7587,
70.2883

 117.8988, 92.6751,
154.1533

 36.9191, 25.0207,
51.2833


 148.6146,
119.4960, 192.4535

 25.3183, 16.0925,
36.0558

184.2494,
151.0487, 236.6239

 16.4443, 9.5896,
24.1873

225.1687,
187.7175, 287.0830

 9.9319, 5.1277,
15.2591

271.7377,
229.8868, 344.2493

 5.4158, 2.3224,
8.8528

324.3218,

 2.5305, 0.7855,

277.9410, 408.5414

4.5498

383.2864,
332.2645, 480.3779

■ 0.9106, 0.0000,
1.9316

■ 0.0000, 0.0000,
0.5127

■ 69.7630, 51.6908,
93.4892

■ 69.7630, 51.6908,
93.4892

■ 65.5711, 43.8726,
90.3480

■ 74.8598, 61.3111,
96.9553

■ 62.2239, 37.7371,
87.5094

■ 80.9097, 72.8308,
100.7605

■ 59.6595, 33.1600,
84.9536

■ 87.9618, 86.3476,
104.9217

■ 57.8059, 29.9975,
82.6564

95.0500, 100.0000,
108.9000

■ 56.5777, 28.0789,
80.5892

■ 55.8512, 27.1567,
78.7108

■ 55.7798, 27.0759,
78.4955

Harmonies

Analogous

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



60.2727, 51.6908, 127.8609



69.7630, 51.6908, 93.4892



73.6021, 51.6908, 57.0693

Triad

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



69.7630, 51.6908, 93.4892



49.4045, 51.6908, 14.7146



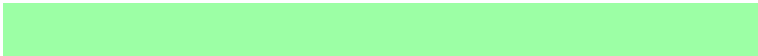
32.8197, 51.6908, 91.5995

Complementary

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



69.7630, 51.6908, 93.4892



56.2635, 81.3053, 48.3279

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.



30.7911, 51.6908, 55.5030



69.7630, 51.6908, 93.4892



39.4538, 51.6908, 18.1233

Square

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



69.7630, 51.6908, 93.4892



60.8172, 51.6908, 18.4937



33.0291, 51.6908, 30.5464



39.0460, 51.6908, 126.5123

Rectangle

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



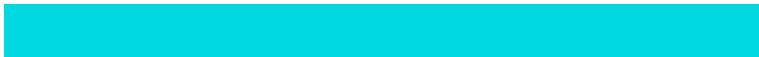
69.7630, 51.6908, 93.4892



72.0570, 51.6908, 38.4905



33.0291, 51.6908, 30.5464



31.6697, 51.6908, 78.8537

Sweetspot

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



69.7642, 51.6929, 93.4903



85.6086, 81.8287, 103.5594



45.3022, 38.9187, 99.7321



18.1233, 17.1302, 22.0484



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.



69.7642, 51.6929, 93.4903



66.2700, 45.1679, 90.8970



63.2366, 49.0818, 59.1166



18.7173, 18.2702, 22.3942



29.1755, 14.1595, 41.1704



2.8607, 1.3867, 4.1138

Inverse Universe

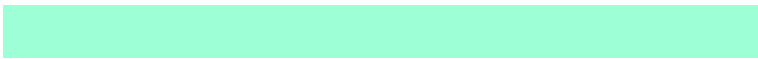
The Inverse Universe completely reimagines the original color for something new.



69.7642, 51.6929, 93.4903



66.2700, 45.1679, 90.8970



61.5775, 83.4309, 76.3111



18.7173, 18.2702, 22.3942



29.1755, 14.1595, 41.1704



2.8607, 1.3867, 4.1138

Previews

White Background



This preview shows how the XYZ color 69.7630, 51.6908, 93.4892 looks on a white background.

Color Contrast Check

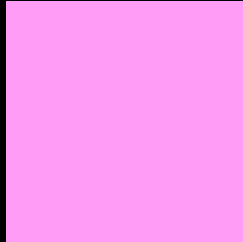
Large Text (above 18pt) WCAG AA × Fail

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 69.7630, 51.6908, 93.4892 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 69.7630, 51.6908, 93.4892

Background



This preview shows how black text looks on a background with the XYZ color 69.7630, 51.6908, 93.4892.



This preview shows how white text looks on a background with the XYZ color 69.7630, 51.6908,

93.4892.

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

69.7630, 51.6908, 93.4892

Protanopia

53.0422, 52.2731, 101.9018

Deuteranopia

53.2657, 52.0223, 89.6720



Tritanopia

60.9892, 51.5275, 50.9873

Trichromacy



Original Color

69.7630, 51.6908, 93.4892



Protanomaly

57.6499, 51.0291, 98.9066



Deuteranomaly

58.1307, 51.1631, 90.8160



Tritanomaly

63.7192, 51.2827, 64.2978

Monochromacy



Original Color

69.7630, 51.6908, 93.4892



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

57.2767, 52.6545, 70.7629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7630, 51.6908, 93.4892 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, 156, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 246)  
}
```

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, 156, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 246) }
```

Border

The CSS property to change the border of an element to XYZ 69.7630, 51.6908, 93.4892 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, 156, 246) }
```


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

```
.border{ border-color:rgb(255, 156, 246) }
```

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

Here you see how a box with a 4 pixel rgb(255, 156, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7630, 51.6908, 93.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 246) }
```

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

```
.background{ background-color: rgb(255,  
156, 246) }
```

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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