

# Converting Colors

XYZ(137.6807, 83.0125,  
94.5311)

Have a look what the booklet for  
XYZ(137.6807, 83.0125, 94.5311)  
contains.

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# Color

**XYZ(66.9472, 46.5478,  
91.0441)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | FF8CF4                     |
| RGB           | 255, 140, 244              |
| RGB Percent   | 100%, 55%, 96%             |
| CMY           | 0.0000, 0.4510, 0.0431     |
| CMYK          | 0.00, 0.45, 0.04, 0.00     |
| HSL           | 306°, 100%, 77%            |
| HSV           | 306°, 45%, 100%            |
| XYZ           | 66.9472, 46.5478, 91.0441  |
| YIQ           | 186.2410, 35.1560, 56.7240 |

# Conversions

## Conversions Part 2

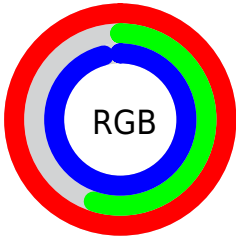
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 255, 140, 244                 |
| Decimal                             | 16747764                      |
| CIE Lab                             | 73.90, 57.37, -33.42          |
| CIE LCh                             | 74, 66.398, 329.779           |
| Yxy                                 | 46.5478, 0.3273,<br>0.2276    |
| Android<br>(android.graphics.Color) | 4294937844<br>(0xFFFF8CF4)    |
| YUV                                 | 186.2410, 28.4752,<br>60.3016 |
| Hunter-Lab                          | 68.2259, 55.7590,<br>-31.3614 |

# Details

The XYZ color **66.9472, 46.5478, 91.0441** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.1626, 79.3305, 41.8435**, and the grayscale version is **46.6400, 49.0689, 53.4360**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **34.9831, 21.8206, 49.3817** is the 20% darker color. If you saturate the color by 10%, you get **63.2758, 39.7936, 88.0057**, and if you desaturate by 10%, it is **71.4888, 55.0341, 94.3980**.

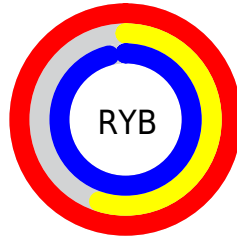
# Distribution



Red (100%)

Green (55%)

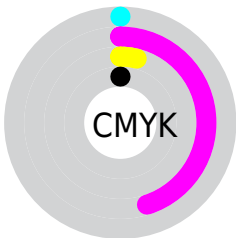
Blue (96%)



Red (100%)

Yellow (55%)

Blue (96%)

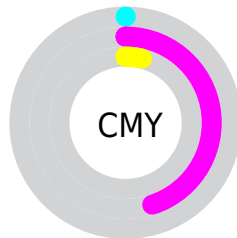


Cyan (0%)

Magenta (45%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9472, 46.5478, 91.0441 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 66.9472, 46.5478, 91.0441 by changing the saturation by 10% instead.





 66.9472, 46.5478,  
91.0441


 66.9472, 46.5478,  
91.0441


439.1922,  
373.0066, 552.0789

 49.3123, 32.6783,  
68.2684


 113.8950, 85.0382,  
150.7360

 35.0828, 21.8801,  
49.6480


 143.9385,  
110.4280, 188.4893

 23.8935, 13.7688,  
34.7646


178.8489,  
140.4266, 232.0721

 15.3789, 7.9601,  
23.1995

218.9917,  
175.4185, 281.9031

 9.1738, 4.0694,  
14.5342

264.7320,  
215.7880, 338.4007

 4.9127, 1.7125,  
8.3502

316.4353,

 2.2304, 0.4317,

261.9196, 401.9835

4.2288

374.4669,  
314.1977, 473.0701

■ 0.7587, 0.0000,  
1.7517

■ 0.0000, 0.0000,  
0.3958

■ 66.9472, 46.5478,  
91.0441

■ 66.9472, 46.5478,  
91.0441

■ 63.2758, 39.7936,  
88.0057

■ 71.4888, 55.0341,  
94.3980

■ 60.4110, 34.6450,  
85.2596

■ 76.9521, 65.3563,  
98.0828

■ 58.2855, 30.9673,  
82.7839

■ 83.3885, 77.6166,  
102.1163

■ 56.8198, 28.6012,  
80.5521

■ 90.8445, 91.9081,  
106.5142

■ 55.9156, 27.3505, 95.0500, 100.0000,  
78.5312 108.9000

■ 55.6087, 27.0075,  
77.5943

# Harmonies

## Analogous

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



56.5259, 46.5478, 130.8396



66.9472, 46.5478, 91.0441



71.1043, 46.5478, 50.9348

# Triad

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



66.9472, 46.5478, 91.0441



44.3302, 46.5478, 9.4668



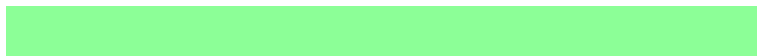
27.2929, 46.5478, 90.4014

# Complementary

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



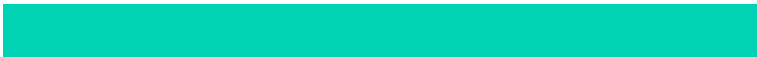
66.9472, 46.5478, 91.0441



52.1626, 79.3305, 41.8435

# 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.



25.1741, 46.5478, 50.4314



66.9472, 46.5478, 91.0441



33.8811, 46.5478, 12.5643

# Square

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



66.9472, 46.5478, 91.0441



56.7054, 46.5478, 12.6638



27.3567, 46.5478, 24.4591



33.7538, 46.5478, 130.3665



# Rectangle

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



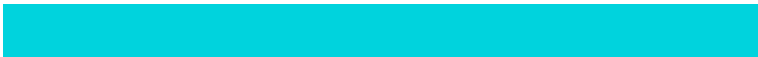
66.9472, 46.5478, 91.0441



69.2795, 46.5478, 31.6829



27.3567, 46.5478, 24.4591



26.1065, 46.5478, 76.0721

# Sweetspot

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



66.9482, 46.5496, 91.0450



84.1549, 79.0817, 102.5801



39.9311, 32.4230, 98.7614



17.6921, 16.3141, 21.7618



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.



66.9482, 46.5496, 91.0450



63.6376, 40.4531, 88.3240



59.6875, 43.6453, 52.8104



18.7133, 18.2686, 22.3736



29.0874, 14.1243, 40.7065



2.8530, 1.3836, 4.0735



# Inverse Universe

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



66.9482, 46.5496, 91.0450



63.6376, 40.4531, 88.3240



57.8492, 81.6052, 71.7889



18.7133, 18.2686, 22.3736



29.0874, 14.1243, 40.7065

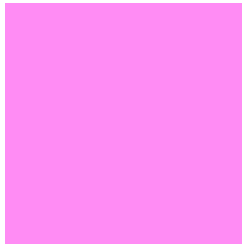


2.8530, 1.3836, 4.0735



# Previews

## White Background



This preview shows how the XYZ color 66.9472, 46.5478, 91.0441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

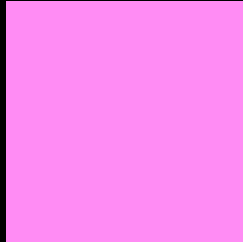
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9472, 46.5478, 91.0441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

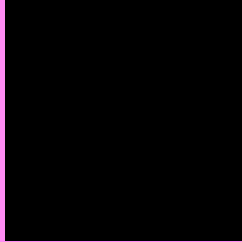
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.9472, 46.5478, 91.0441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.9472, 46.5478, 91.0441.



This preview shows how white text looks on a background with the XYZ color 66.9472, 46.5478,

91.0441.

# 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

66.9472, 46.5478, 91.0441

### Protanopia

48.4718, 47.1316, 101.1503

### Deuteranopia

47.9837, 46.9007, 86.6445



## Tritanopia

57.1309, 46.5339, 43.0166

# Trichromacy



## Original Color

66.9472, 46.5478, 91.0441



## Protanomaly

52.8600, 45.2128, 97.2077



## Deuteranomaly

53.2707, 45.6190, 88.4358



## Tritanomaly

60.0973, 46.2585, 57.9859

# Monochromacy



## Original Color

66.9472, 46.5478, 91.0441



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

52.3144, 46.7298, 65.2940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9472, 46.5478, 91.0441 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, 140, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 244)  
}
```

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, 140, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9472, 46.5478, 91.0441 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, 140, 244) }
```



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

```
.border{ border-color:rgb(255, 140, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9472, 46.5478, 91.0441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 244) }
```

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

```
.background{ background-color: rgb(255,  
140, 244) }
```

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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