

Converting Colors

XYZ(66.4858, 44.6909, 93.7700)

Have a look what the booklet for
XYZ(66.4858, 44.6909, 93.7700)
contains.

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Color

**XYZ(66.5708, 44.8124,
93.9479)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85F8
RGB	255, 133, 248
RGB Percent	100%, 52%, 97%
CMY	0.0000, 0.4784, 0.0274
CMYK	0.00, 0.48, 0.03, 0.00
HSL	303°, 100%, 76%
HSV	303°, 48%, 100%
XYZ	66.5708, 44.8124, 93.9479
YIQ	182.5880, 35.7970, 61.6290

Conversions

Conversions Part 2

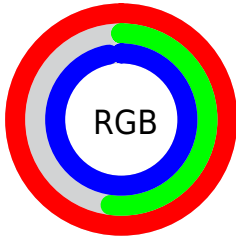
Format	Color
R _Y B	255, 133, 248
Decimal	16745976
CIE Lab	72.77, 61.41, -37.35
CIE LCh	73, 71.882, 328.691
Yxy	44.8124, 0.3242, 0.2182
Android (android.graphics.Color)	4294936056 (0xFFFF85F8)
YUV	182.5880, 32.2481, 63.5053
Hunter-Lab	66.9421, 60.3614, -36.3494

Details

The XYZ color **66.5708, 44.8124, 93.9479** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.1679, 78.4007, 37.3018**, and the grayscale version is **44.6012, 46.9239, 51.1001**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **34.8228, 20.8051, 51.4706** is the 20% darker color. If you saturate the color by 10%, you get **63.2679, 38.5682, 91.7319**, and if you desaturate by 10%, it is **70.7247, 52.7554, 96.4575**.

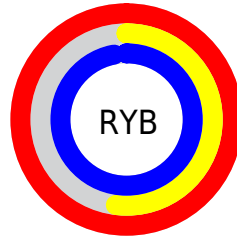
Distribution



Red (100%)

Green (52%)

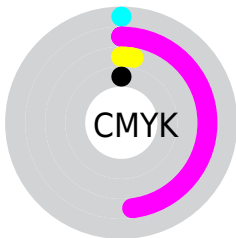
Blue (97%)



Red (100%)

Yellow (52%)

Blue (97%)

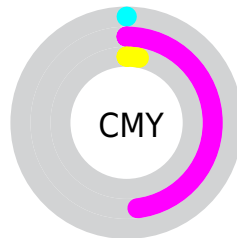


Cyan (0%)

Magenta (48%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.5708, 44.8124, 93.9479 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 66.5708, 44.8124, 93.9479 by changing the saturation by 10% instead.


 66.5708, 44.8124,
93.9479


 66.5708, 44.8124,
93.9479


437.8720,
366.0132, 561.6894


 49.0053, 31.3097,
70.6676


 113.3584, 82.4388,
154.7933

 34.8383, 20.8348,
51.5908


 143.3112,
107.3313, 193.1955

 23.7042, 13.0033,
36.2990


 178.1239,
136.7892, 237.4754

 15.2379, 7.4308,
24.3737

218.1617,
171.1969, 288.0516

 9.0739, 3.7330,
15.3963

263.7901,
210.9387, 345.3425

 4.8469, 1.5253,
8.9483

315.3744,

 2.1916, 0.3065,

256.3991, 409.7667

4.6111

373.2799,
307.9625, 481.7428

■ 0.7383, 0.0000,
1.9662

■ 0.0000, 0.0000,
0.5344

■ 66.5708, 44.8124,
93.9479

■ 66.5708, 44.8124,
93.9479

■ 63.2679, 38.5682,
91.7319

■ 70.7247, 52.7554,
96.4575

■ 60.7506, 33.8927,
89.7860

■ 75.7829, 62.5040,
99.2766

■ 58.9490, 30.6458,
88.0873

■ 81.7974, 74.1628,
102.4234

■ 57.7795, 28.6600,
86.6081

■ 88.8160, 87.8266,
105.9136

■ 57.1300, 27.7116,
85.3108

95.0500, 100.0000,
108.9000

■ 57.0232, 27.5733,
85.0430

Harmonies

Analogous

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



55.1883, 44.8124, 137.3619



66.5708, 44.8124, 93.9479



71.3818, 44.8124, 50.3804

Triad

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



66.5708, 44.8124, 93.9479



43.1435, 44.8124, 7.2828



24.8145, 44.8124, 89.8008

Complementary

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



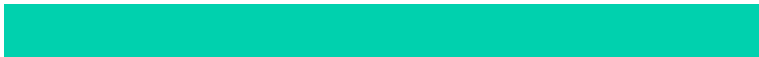
66.5708, 44.8124, 93.9479



50.1679, 78.4007, 37.3018

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.



22.8189, 44.8124, 47.2395



66.5708, 44.8124, 93.9479



32.0763, 44.8124, 9.9193

Square

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



66.5708, 44.8124, 93.9479



56.3248, 44.8124, 10.4722



25.1990, 44.8124, 21.0772



31.2966, 44.8124, 134.2547

Rectangle

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



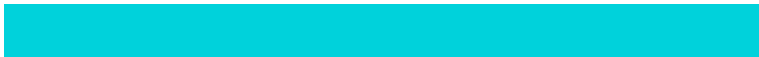
66.5708, 44.8124, 93.9479



69.6190, 44.8124, 29.9108



25.1990, 44.8124, 21.0772



23.6601, 44.8124, 74.3077

Sweetspot

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



66.5718, 44.8142, 93.9488



84.3718, 79.1685, 103.7224



37.1036, 29.4949, 98.3453



17.7455, 16.3355, 22.0433



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.



66.5718, 44.8142, 93.9488



63.5144, 39.0309, 91.9075



58.6951, 41.6635, 52.4707



18.7450, 18.2813, 22.5403



29.8153, 14.4154, 44.5392



2.9162, 1.4088, 4.4060

Inverse Universe

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



66.5718, 44.8142, 93.9488



63.5144, 39.0309, 91.9075



55.8712, 80.6820, 67.3351



18.7450, 18.2813, 22.5403



29.8153, 14.4154, 44.5392



2.9162, 1.4088, 4.4060

Previews

White Background



This preview shows how the XYZ color 66.5708, 44.8124, 93.9479 looks on a white background.

Color Contrast Check

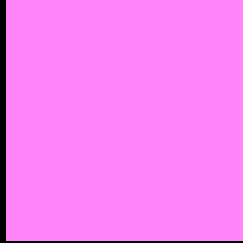
Large Text (above 18pt) WCAG AA × Fail

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 66.5708, 44.8124, 93.9479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

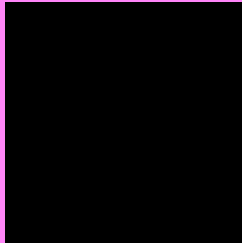
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.5708, 44.8124, 93.9479

Background



This preview shows how black text looks on a background with the XYZ color 66.5708, 44.8124, 93.9479.



This preview shows how white text looks on a background with the XYZ color 66.5708, 44.8124,

93.9479.

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

66.5708, 44.8124, 93.9479

Protanopia

46.9090, 45.4366, 100.9055

Deuteranopia

46.1538, 45.0233, 88.6959



Tritanopia

55.5853, 44.5493, 40.7912

Trichromacy



Original Color

66.5708, 44.8124, 93.9479



Protanomaly

51.5508, 43.4652, 97.7681



Deuteranomaly

51.5134, 43.3484, 90.4461



Tritanomaly

59.0426, 44.3307, 57.0745

Monochromacy



Original Color

66.5708, 44.8124, 93.9479



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

51.0121, 44.9706, 65.0230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5708, 44.8124, 93.9479 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, 133, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 248)  
}
```

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, 133, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 248) }
```

Border

The CSS property to change the border of an element to XYZ 66.5708, 44.8124, 93.9479 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, 133, 248) }
```


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

```
.border{ border-color:rgb(255, 133, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 133, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5708, 44.8124, 93.9479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 248) }
```

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

```
.background{ background-color: rgb(255,  
133, 248) }
```

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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