

Converting Colors

XYZ(71.3186, 47.1199, 93.0827)

Have a look what the booklet for
XYZ(71.3186, 47.1199, 93.0827)
contains.

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Color

**XYZ(66.2798, 44.4779,
93.0875)**

Conversions

Conversions Part 1

Format	Color
Hex	FF84F7
RGB	255, 132, 247
RGB Percent	100%, 52%, 97%
CMY	0.0000, 0.4823, 0.0314
CMYK	0.00, 0.48, 0.03, 0.00
HSL	304°, 100%, 76%
HSV	304°, 48%, 100%
XYZ	66.2798, 44.4779, 93.0875
YIQ	181.8870, 36.3930, 61.8410

Conversions

Conversions Part 2

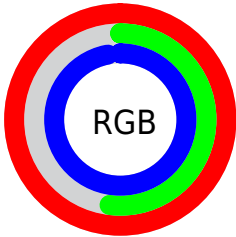
Format	Color
R _Y B	255, 132, 247
Decimal	16745719
CIE Lab	72.55, 61.72, -37.15
CIE LCh	73, 72.040, 328.955
Yxy	44.4779, 0.3251, 0.2182
Android (android.graphics.Color)	4294935799 (0xFFFF84F7)
YUV	181.8870, 32.1007, 64.1201
Hunter-Lab	66.6918, 60.6868, -36.0720

Details

The XYZ color **66.2798, 44.4779, 93.0875** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.0107, 78.3196, 37.2943**, and the grayscale version is **44.2202, 46.5231, 50.6637**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **34.6437, 20.6224, 50.8698** is the 20% darker color. If you saturate the color by 10%, you get **62.9801, 38.2862, 90.7310**, and if you desaturate by 10%, it is **70.4285, 52.3638, 95.7394**.

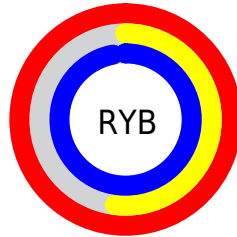
Distribution



Red (100%)

Green (52%)

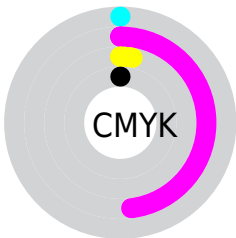
Blue (97%)



Red (100%)

Yellow (52%)

Blue (97%)

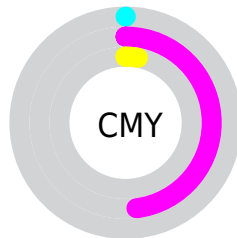


Cyan (0%)

Magenta (48%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2798, 44.4779, 93.0875 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 66.2798, 44.4779, 93.0875 by changing the saturation by 10% instead.


 66.2798, 44.4779,
93.0875


 66.2798, 44.4779,
93.0875


436.8498,
364.6549, 558.8512

 48.7681, 31.0464,
69.9562


 112.9433, 81.9364,
153.5925

 34.6493, 20.6342,
51.0142


 142.8259,
106.7322, 191.8032

 23.5581, 12.8569,
35.8431


 177.5628,
136.0848, 235.8775

 15.1291, 7.3301,
24.0243

217.5194,
170.3787, 286.2339

 8.9970, 3.6694,
15.1393

263.0610,
209.9983, 343.2909

 4.7963, 1.4904,
8.7695

314.5530,

 2.1618, 0.2819,

255.3279, 407.4671

4.4964

372.3608,
306.7520, 479.1810

■ 0.7225, 0.0000,
1.9014

■ 0.0000, 0.0000,
0.4936

■ 66.2798, 44.4779,
93.0875

■ 66.2798, 44.4779,
93.0875

■ 62.9801, 38.2862,
90.7310

■ 70.4285, 52.3638,
95.7394

■ 60.4640, 33.6582,
88.6464

■ 75.4799, 62.0515,
98.7028

■ 58.6612, 30.4530,
86.8107

■ 81.4864, 73.6457,
101.9959

■ 57.4872, 28.5020,
85.1957

■ 88.4954, 87.2414,
105.6345

■ 56.8259, 27.5726,
83.7628

95.0500, 100.0000,
108.9000

■ 56.7338, 27.4575,
83.5190

Harmonies

Analogous

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



54.9551, 44.4779, 136.5951



66.2798, 44.4779, 93.0875



71.0104, 44.4779, 49.6905

Triad

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



66.2798, 44.4779, 93.0875



42.7132, 44.4779, 7.1367



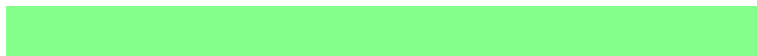
24.5977, 44.4779, 89.7782

Complementary

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



66.2798, 44.4779, 93.0875



50.0107, 78.3196, 37.2943

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.



22.5733, 44.4779, 47.1888



66.2798, 44.4779, 93.0875



31.7127, 44.4779, 9.8005

Square

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



66.2798, 44.4779, 93.0875



55.8611, 44.4779, 10.2380



24.9034, 44.4779, 20.9787



31.0922, 44.4779, 134.1133

Rectangle

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



66.2798, 44.4779, 93.0875



69.1975, 44.4779, 29.3989



24.9034, 44.4779, 20.9787



23.4357, 44.4779, 74.2853

Sweetspot

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



66.2807, 44.4796, 93.0884



84.3282, 79.1511, 103.4930



36.8091, 29.1407, 98.2924



17.7348, 16.3312, 21.9868



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.



66.2807, 44.4796, 93.0884



63.0478, 38.4121, 90.7828



58.4996, 41.3672, 52.1136



18.7387, 18.2788, 22.5069



29.6664, 14.3559, 43.7554



2.9033, 1.4037, 4.3382

Inverse Universe

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



66.2807, 44.4796, 93.0884



63.0478, 38.4121, 90.7828



55.6614, 80.5799, 67.0508



18.7387, 18.2788, 22.5069



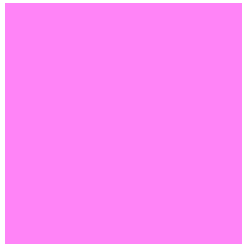
29.6664, 14.3559, 43.7554



2.9033, 1.4037, 4.3382

Previews

White Background



This preview shows how the XYZ color 66.2798, 44.4779, 93.0875 looks on a white background.

Color Contrast Check

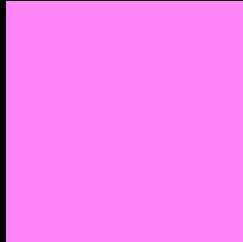
Large Text (above 18pt) WCAG AA × Fail

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 66.2798, 44.4779, 93.0875 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 66.2798, 44.4779, 93.0875

Background



This preview shows how black text looks on a background with the XYZ color 66.2798, 44.4779, 93.0875.



This preview shows how white text looks on a background with the XYZ color 66.2798, 44.4779,

93.0875.

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

66.2798, 44.4779, 93.0875

Protanopia

46.5242, 44.9461, 100.8311

Deuteranopia

46.0056, 44.9640, 87.9155



Tritanopia

55.4953, 44.5133, 40.3173

Trichromacy



Original Color

66.2798, 44.4779, 93.0875



Protanomaly

51.1278, 42.9887, 97.6984



Deuteranomaly

51.3628, 43.2882, 89.6527



Tritanomaly

58.9299, 44.2856, 56.4810

Monochromacy



Original Color

66.2798, 44.4779, 93.0875



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.7105, 44.5625, 64.3212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2798, 44.4779, 93.0875 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, 132, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 247)  
}
```

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, 132, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 247) }
```

Border

The CSS property to change the border of an element to XYZ 66.2798, 44.4779, 93.0875 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, 132, 247) }
```


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

```
.border{ border-color:rgb(255, 132, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2798, 44.4779, 93.0875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 247) }
```

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

```
.background{ background-color: rgb(255,  
132, 247) }
```

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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