

Converting Colors

XYZ(66.6641, 44.7622, 94.7090)

Have a look what the booklet for
XYZ(66.6641, 44.7622, 94.7090)
contains.

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Color

**XYZ(66.7264, 44.8746,
94.7673)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85F9
RGB	255, 133, 249
RGB Percent	100%, 52%, 98%
CMY	0.0000, 0.4784, 0.0235
CMYK	0.00, 0.48, 0.02, 0.00
HSL	303°, 100%, 76%
HSV	303°, 48%, 100%
XYZ	66.7264, 44.8746, 94.7673
YIQ	182.7020, 35.4760, 61.9400

Conversions

Conversions Part 2

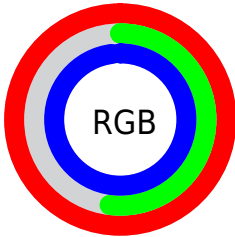
Format	Color
RYB	255, 133, 249
Decimal	16745977
CIELab	72.81, 61.58, -37.83
CIElCh	73, 72.277, 328.435
Yxy	44.8746, 0.3233, 0.2174
Android (android.graphics.Color)	4294936057 (0xFFFF85F9)
YUV	182.7020, 32.6849, 63.4053
Hunter-Lab	66.9885, 60.5717, -36.9844

Details

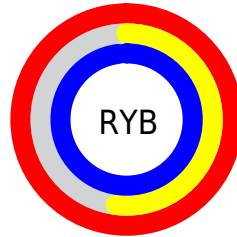
The XYZ color **66.7264, 44.8746, 94.7673** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.0944, 78.3713, 36.9151**, and the grayscale version is **44.6611, 46.9870, 51.1688**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **34.9333, 20.8493, 52.0523** is the 20% darker color. If you saturate the color by 10%, you get **63.4546, 38.6428, 92.7154**, and if you desaturate by 10%, it is **70.8487, 52.8049, 97.1103**.

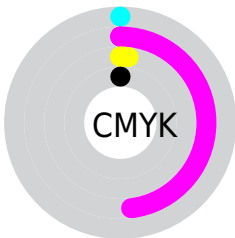
Distribution



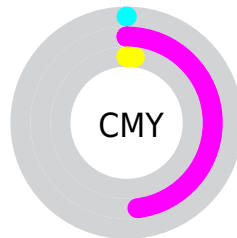
- Red (100%)
- Green (52%)
- Blue (98%)



- Red (100%)
- Yellow (52%)
- Blue (98%)



- Cyan (0%)
- Magenta (48%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7264, 44.8746, 94.7673 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 66.7264, 44.8746, 94.7673 by changing the saturation by 10% instead.

 66.7264, 44.8746,
94.7673


 66.7264, 44.8746,
94.7673


438.4181,
366.2654, 564.3850


 49.1322, 31.3587,
71.3455

 113.5802, 82.5322,
155.9359

 34.9393, 20.8721,
52.1406


 143.5706,
107.4427, 194.5198

 23.7824, 13.0306,
36.7342

 178.4237,
136.9201, 238.9947

 15.2962, 7.4496,
24.7076

218.5049,
171.3489, 289.7794

 9.1152, 3.7448,
15.6423

264.1796,
211.1134, 347.2921

 4.8741, 1.5319,
9.1198

315.8131,

 2.2076, 0.3110,

256.5981, 411.9517

4.7215

373.7708,
308.1873, 484.1765

■ 0.7467, 0.0000,
2.0289

■ 0.0000, 0.0000,
0.5730

■ 66.7264, 44.8746,
94.7673

■ 66.7264, 44.8746,
94.7673

■ 63.4546, 38.6428,
92.7154

■ 70.8487, 52.8049,
97.1103

■ 60.9681, 33.9796,
90.9312

■ 75.8747, 62.5407,
99.7604

■ 59.1967, 30.7448,
89.3917

■ 81.8567, 74.1864,
102.7356

■ 58.0570, 28.7710,
88.0692

■ 88.8422, 87.8370,
106.0518

■ 57.4368, 27.8343,
86.9262

95.0500, 100.0000,
108.9000

■ 57.3362, 27.6985,
86.6914

Harmonies

Analogous

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



55.2211, 44.8746, 138.4552



66.7264, 44.8746, 94.7673



71.6477, 44.8746, 50.7753

Triad

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



66.7264, 44.8746, 94.7673



43.3153, 44.8746, 7.1981



24.7391, 44.8746, 89.7668

Complementary

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



66.7264, 44.8746, 94.7673



50.0944, 78.3713, 36.9151

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.



22.7727, 44.8746, 46.9951



66.7264, 44.8746, 94.7673



32.1514, 44.8746, 9.7777

Square

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



66.7264, 44.8746, 94.7673



56.5900, 44.8746, 10.4387



25.2009, 44.8746, 20.8537



31.2139, 44.8746, 134.7050

Rectangle

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



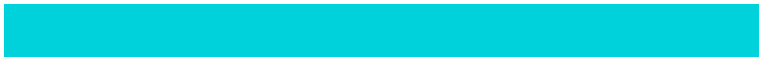
66.7264, 44.8746, 94.7673



69.9226, 44.8746, 30.0842



25.2009, 44.8746, 20.8537



23.5924, 44.8746, 74.1694

Sweetspot

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



66.7274, 44.8763, 94.7682



84.4184, 79.1872, 103.9681



36.7668, 29.3212, 98.3295



17.7570, 16.3401, 22.1039



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.



66.7274, 44.8763, 94.7682



63.6986, 39.1046, 92.8774



58.9157, 41.7517, 53.6326



18.7518, 18.2840, 22.5761



29.9763, 14.4798, 45.3869



2.9301, 1.4144, 4.4793

Inverse Universe

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



66.7274, 44.8763, 94.7682



63.6986, 39.1046, 92.8774



55.6349, 80.5875, 66.0908



18.7518, 18.2840, 22.5761



29.9763, 14.4798, 45.3869



2.9301, 1.4144, 4.4793

Previews

White Background



This preview shows how the XYZ color 66.7264, 44.8746, 94.7673 looks on a white background.

Color Contrast Check

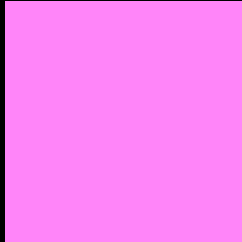
Large Text (above 18pt) WCAG AA × Fail

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 66.7264, 44.8746, 94.7673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

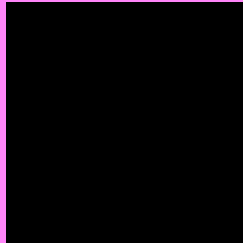
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7264, 44.8746, 94.7673

Background



This preview shows how black text looks on a background with the XYZ color 66.7264, 44.8746, 94.7673.



This preview shows how white text looks on a background with the XYZ color 66.7264, 44.8746,

94.7673.

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

66.7264, 44.8746, 94.7673

Protanopia

46.9090, 45.4366, 100.9055

Deuteranopia

46.1005, 44.9786, 89.4711



Tritanopia

55.7483, 44.8753, 40.8455

Trichromacy



Original Color

66.7264, 44.8746, 94.7673



Protanomaly

51.7097, 43.5287, 98.6050



Deuteranomaly

51.4056, 43.2754, 91.2316



Tritanomaly

59.1961, 44.6376, 57.1257

Monochromacy



Original Color

66.7264, 44.8746, 94.7673



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 66.7264, 44.8746, 94.7673 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 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, 133, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 249) }
```

Border

The CSS property to change the border of an element to XYZ 66.7264, 44.8746, 94.7673 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, 249) }
```


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

```
.border{ border-color:rgb(255, 133, 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, 133, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7264, 44.8746, 94.7673 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, 249) }
```

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

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