

Converting Colors

XYZ(67.4159, 44.9627, 96.0813)

Have a look what the booklet for
XYZ(67.4159, 44.9627, 96.0813)
contains.

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Color

**XYZ(66.9039, 44.7276,
96.3738)**

Conversions

Conversions Part 1

Format	Color
Hex	FF84FB
RGB	255, 132, 251
RGB Percent	100%, 52%, 98%
CMY	0.0000, 0.4823, 0.0157
CMYK	0.00, 0.48, 0.02, 0.00
HSL	302°, 100%, 76%
HSV	302°, 48%, 100%
XYZ	66.9039, 44.7276, 96.3738
YIQ	182.3430, 35.1090, 63.0850

Conversions

Conversions Part 2

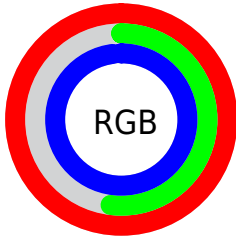
Format	Color
RYB	255, 132, 251
Decimal	16745723
CIELab	72.71, 62.40, -39.08
CIELCh	73, 73.621, 327.943
Yxy	44.7276, 0.3216, 0.2150
Android (android.graphics.Color)	4294935803 (0xFFFF84FB)
YUV	182.3430, 33.8479, 63.7202
Hunter-Lab	66.8787, 61.5296, -38.6232

Details

The XYZ color **66.9039, 44.7276, 96.3738** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.7210, 78.2038, 35.7689**, and the grayscale version is **44.4594, 46.7748, 50.9377**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **35.0870, 20.7997, 53.2044** is the 20% darker color. If you saturate the color by 10%, you get **63.7286, 38.5856, 94.6725**, and if you desaturate by 10%, it is **70.9265, 52.5631, 98.3616**.

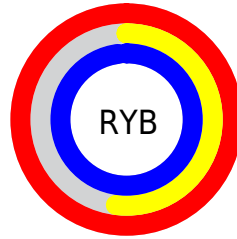
Distribution



Red (100%)

Green (52%)

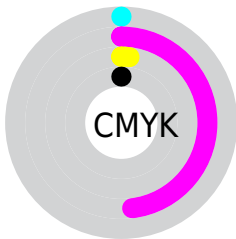
Blue (98%)



Red (100%)

Yellow (52%)

Blue (98%)

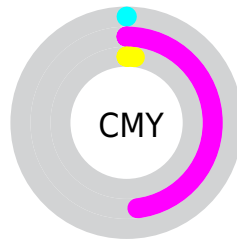


Cyan (0%)

Magenta (48%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9039, 44.7276, 96.3738 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 66.9039, 44.7276, 96.3738 by changing the saturation by 10% instead.


 66.9039, 44.7276,
96.3738


 66.9039, 44.7276,
96.3738


439.0405,
365.6692, 569.6501

 49.2769, 31.2429,
72.6757

 113.8333, 82.3115,
158.1731

 35.0547, 20.7839,
53.2206


 143.8664,
107.1795, 197.1113

 23.8717, 12.9661,
37.5900


 178.7656,
136.6107, 241.9668

 15.3627, 7.4052,
25.3653

218.8962,
170.9896, 293.1579

 9.1623, 3.7168,
16.1279

264.6237,
210.7005, 351.1032

 4.9052, 1.5164,
9.4594

316.3133,

 2.2259, 0.3003,

256.1278, 416.2214

4.9411

374.3305,
307.6559, 488.9308

■ 0.7563, 0.0000,
2.1546

■ 0.0000, 0.0000,
0.6480

■ 66.9039, 44.7276,
96.3738

■ 66.9039, 44.7276,
96.3738

■ 63.7286, 38.5856,
94.6725

■ 70.9265, 52.5631,
98.3616

■ 61.3352, 34.0067,
93.2340

■ 75.8501, 62.1997,
100.6520

■ 59.6534, 30.8499,
92.0355

■ 81.7270, 73.7420,
103.2629

■ 58.5987, 28.9466,
91.0489

■ 88.6049, 87.2853,
106.2104

■ 58.0550, 28.0643,
90.2354

95.0500, 100.0000,
108.9000

■ 57.9835, 27.9574,
90.1001

Harmonies

Analogous

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



55.0880, 44.7276, 140.9873



66.9039, 44.7276, 96.3738



72.0761, 44.7276, 51.2686

Triad

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



66.9039, 44.7276, 96.3738



43.3997, 44.7276, 6.8073



24.3003, 44.7276, 89.6459

Complementary

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



66.9039, 44.7276, 96.3738



49.7210, 78.2038, 35.7689

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.



22.3917, 44.7276, 46.2201



66.9039, 44.7276, 96.3738



32.0127, 44.7276, 9.2479

Square

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



66.9039, 44.7276, 96.3738



56.9224, 44.7276, 10.1071



24.9124, 44.7276, 20.0990



30.7658, 44.7276, 135.9222

Rectangle

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



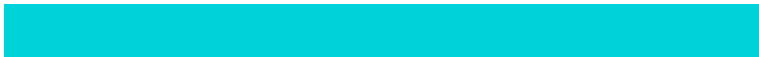
66.9039, 44.7276, 96.3738



70.4134, 44.7276, 30.0896



24.9124, 44.7276, 20.0990



23.1691, 44.7276, 73.7372

Sweetspot

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



66.9048, 44.7293, 96.3747



84.5135, 79.2252, 104.4686



36.1426, 28.7972, 98.2612



17.7805, 16.3495, 22.2274



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.



66.9048, 44.7293, 96.3747



63.7934, 38.7104, 94.7090



58.9460, 41.5458, 54.4645



18.7657, 18.2896, 22.6491



30.3090, 14.6129, 47.1393



2.9588, 1.4259, 4.6304

Inverse Universe

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



66.9048, 44.7293, 96.3747



63.7934, 38.7104, 94.7090



55.1897, 80.3912, 64.5664



18.7657, 18.2896, 22.6491



30.3090, 14.6129, 47.1393



2.9588, 1.4259, 4.6304

Previews

White Background



This preview shows how the XYZ color 66.9039, 44.7276, 96.3738 looks on a white background.

Color Contrast Check

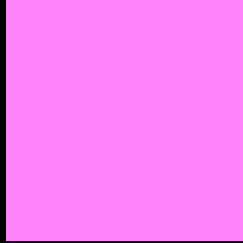
Large Text (above 18pt) WCAG AA × Fail

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 66.9039, 44.7276, 96.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

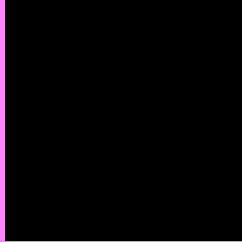
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9039, 44.7276, 96.3738

Background



This preview shows how black text looks on a background with the XYZ color 66.9039, 44.7276, 96.3738.



This preview shows how white text looks on a background with the XYZ color 66.9039, 44.7276,

96.3738.

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

66.9039, 44.7276, 96.3738

Protanopia

46.5242, 44.9461, 100.8311

Deuteranopia

46.0011, 44.8927, 91.0347



Tritanopia

55.2373, 44.3699, 40.7749

Trichromacy



Original Color

66.9039, 44.7276, 96.3738



Protanomaly

51.4465, 43.1162, 99.3767



Deuteranomaly

51.4535, 43.2648, 92.8278



Tritanomaly

58.8006, 44.1928, 57.6555

Monochromacy



Original Color

66.9039, 44.7276, 96.3738



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.8324, 44.6112, 64.9632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9039, 44.7276, 96.3738 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 251) }
```

Border

The CSS property to change the border of an element to XYZ 66.9039, 44.7276, 96.3738 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, 251) }
```


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

```
.border{ border-color:rgb(255, 132, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9039, 44.7276, 96.3738 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, 251) }
```

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

```
.background{ background-color: rgb(255,  
132, 251) }
```

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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