

Converting Colors

XYZ(67.2700, 44.4400, 99.6400)

Have a look what the booklet for
XYZ(67.2700, 44.4400, 99.6400)
contains.

XYZ(67.2726, 44.4453, 99.6409)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.2726, 44.4453,
99.6409)**

Conversions

Conversions Part 1

Format	Color
Hex	FF82FF
RGB	255, 130, 255
RGB Percent	100%, 51%, 100%
CMY	0.0000, 0.4902, 0.0000
CMYK	0.00, 0.49, 0.00, 0.00
HSL	300°, 100%, 75%
HSV	300°, 49%, 100%
XYZ	67.2726, 44.4453, 99.6409
YIQ	181.6250, 34.3750, 65.3750

Conversions

Conversions Part 2

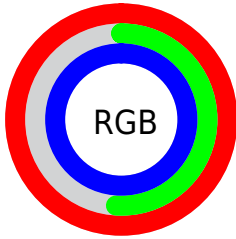
Format	Color
R _Y B	255, 130, 255
Decimal	16745215
CIE _{Lab}	72.53, 64.02, -41.54
CIE _{LCh}	73, 76.316, 327.019
Yxy	44.4453, 0.3183, 0.2103
Android (android.graphics.Color)	4294935295 (0xFFFF82FF)
YUV	181.6250, 36.1739, 64.3499
Hunter-Lab	66.6673, 63.4529, -41.9477

Details

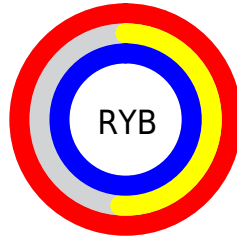
The XYZ color **67.2726, 44.4453, 99.6409** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.9966, 77.8782, 33.5709**, and the grayscale version is **44.0577, 46.3521, 50.4775**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **35.4068, 20.7105, 55.5575** is the 20% darker color. If you saturate the color by 10%, you get **64.2914, 38.4829, 98.6471**, and if you desaturate by 10%, it is **71.0958, 52.0916, 100.9153**.

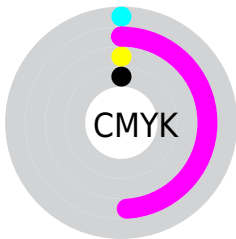
Distribution



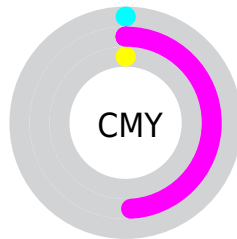
- Red (100%)
- Green (51%)
- Blue (100%)



- Red (100%)
- Yellow (51%)
- Blue (100%)



- Cyan (0%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2726, 44.4453, 99.6409 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 67.2726, 44.4453, 99.6409 by changing the saturation by 10% instead.


 67.2726, 44.4453,
99.6409

 67.2726, 44.4453,
99.6409

440.3317,
364.5223, 580.2776


 49.5777, 31.0207,
75.3855


 114.3586, 81.8874,
162.7112

 35.2944, 20.6146,
55.4251


 144.4804,
106.6737, 202.3631

 24.0573, 12.8426,
39.3413


 179.4752,
136.0161, 247.9843

 15.5011, 7.3203,
26.7155

219.7083,
170.2989, 299.9932

 9.2604, 3.6632,
17.1291

265.5452,
209.9065, 358.8085

 4.9699, 1.4870,
10.1636

317.3512,

 2.2642, 0.2795,

255.2234, 424.8486

5.4006

375.4915,
306.6338, 498.5321

■ 0.7762, 0.0000,
2.4213

■ 0.0000, 0.0000,
0.7980

■ 67.2726, 44.4453,
99.6409

■ 67.2726, 44.4453,
99.6409

■ 64.2914, 38.4829,
98.6471

■ 71.0958, 52.0916,
100.9153

■ 62.0864, 34.0729,
97.9121

■ 75.8152, 61.5303,
102.4884

■ 60.5863, 31.0726,
97.4121

■ 81.4834, 72.8668,
104.3778

■ 59.7054, 29.3108,
97.1185

■ 88.1484, 86.1968,
106.5995

■ 59.3172, 28.5344,
96.9891

95.0500, 100.0000,
108.9000

■ 59.2900, 28.4800,
96.9800

Harmonies

Analogous

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



54.8363, 44.4453, 146.1441



67.2726, 44.4453, 99.6409



72.9486, 44.4453, 52.2678

Triad

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



67.2726, 44.4453, 99.6409



43.5760, 44.4453, 6.0735



23.4479, 44.4453, 89.4277

Complementary

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



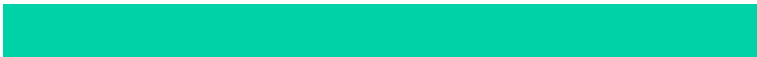
67.2726, 44.4453, 99.6409



48.9966, 77.8782, 33.5709

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.



21.6506, 44.4453, 44.7153



67.2726, 44.4453, 99.6409



31.7439, 44.4453, 8.2536

Square

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



67.2726, 44.4453, 99.6409



57.5985, 44.4453, 9.4700



24.3496, 44.4453, 18.6572



29.8938, 44.4453, 138.3972

Rectangle

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



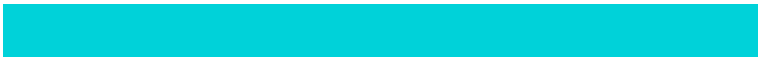
67.2726, 44.4453, 99.6409



71.4113, 44.4453, 30.1047



24.3496, 44.4453, 18.6572



22.3469, 44.4453, 72.9005

Sweetspot

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



67.2735, 44.4470, 99.6412



84.0385, 77.9769, 105.2295



35.2404, 27.9333, 98.1420



17.6964, 16.1076, 22.4263



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.



67.2735, 44.4470, 99.6412



64.2959, 38.4917, 98.6486



58.7938, 41.0551, 54.9876



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



67.2735, 44.4470, 99.6412



64.2959, 38.4917, 98.6486



54.5372, 80.0944, 62.7474



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 67.2726, 44.4453, 99.6409 looks on a white background.

Color Contrast Check

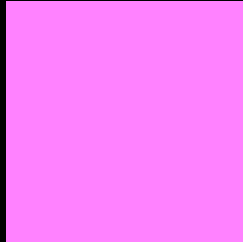
Large Text (above 18pt) WCAG AA × Fail

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 67.2726, 44.4453, 99.6409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

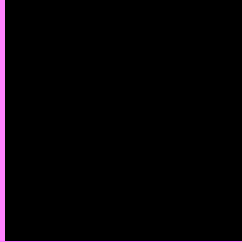
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2726, 44.4453, 99.6409

Background



This preview shows how black text looks on a background with the XYZ color 67.2726, 44.4453, 99.6409.



This preview shows how white text looks on a background with the XYZ color 67.2726, 44.4453,

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

67.2726, 44.4453, 99.6409

Protanopia

46.3378, 44.8500, 100.8224

Deuteranopia

46.0241, 44.8340, 94.2238



Tritanopia

55.1473, 44.3339, 40.3011

Trichromacy



Original Color

67.2726, 44.4453, 99.6409



Protanomaly

51.4344, 42.8351, 100.1649



Deuteranomaly

51.3917, 42.9049, 96.0153

Tritanomaly

58.6485, 43.8885, 57.6048

Monochromacy



Original Color

67.2726, 44.4453, 99.6409



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.9003, 44.3531, 66.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2726, 44.4453, 99.6409 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, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 255)  
}
```

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, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.2726, 44.4453, 99.6409 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, 130, 255) }
```


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

```
.border{ border-color:rgb(255, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2726, 44.4453, 99.6409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 255) }
```

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

```
.background{ background-color: rgb(255,  
130, 255) }
```

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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