

Converting Colors

XYZ(68.6858, 47.1250,
124.0545)

Have a look what the booklet for
XYZ(68.6858, 47.1250, 124.0545)
contains.

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Color

**XYZ(63.9986, 45.2668,
99.9720)**

Conversions

Conversions Part 1

Format	Color
Hex	F18EFF
RGB	241, 142, 255
RGB Percent	95%, 56%, 100%
CMY	0.0549, 0.4431, 0.0000
CMYK	0.05, 0.44, 0.00, 0.00
HSL	293°, 100%, 78%
HSV	293°, 44%, 100%
XYZ	63.9986, 45.2668, 99.9720
YIQ	184.4830, 22.7310, 56.1310

Conversions

Conversions Part 2

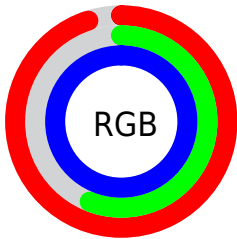
Format	Color
R _Y B	241, 142, 255
Decimal	15830783
CIE Lab	73.07, 54.33, -40.82
CIE LCh	73, 67.960, 323.079
Yxy	45.2668, 0.3059, 0.2163
Android (android.graphics.Color)	4294020863 (0xFFFF18EFF)
YUV	184.4830, 34.7649, 49.5654
Hunter-Lab	67.2806, 52.0516, -41.0024

Details

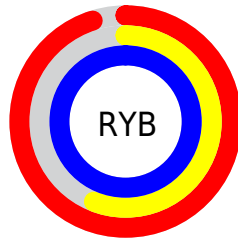
The XYZ color **63.9986, 45.2668, 99.9720** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.3539, 80.5414, 38.2746**, and the grayscale version is **45.6333, 48.0098, 52.2826**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **33.2112, 21.1239, 55.7530** is the 20% darker color. If you saturate the color by 10%, you get **59.5609, 37.9776, 98.7989**, and if you desaturate by 10%, it is **69.3256, 54.3049, 101.4358**.

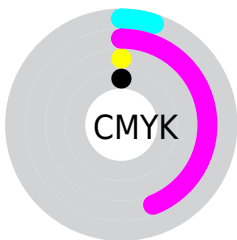
Distribution



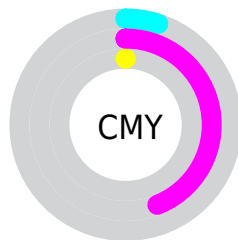
- Red (95%)
- Green (56%)
- Blue (100%)



- Red (95%)
- Yellow (56%)
- Blue (100%)



- Cyan (5%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9986, 45.2668, 99.9720 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 63.9986, 45.2668, 99.9720 by changing the saturation by 10% instead.


 63.9986, 45.2668,
99.9720


 63.9986, 45.2668,
99.9720


428.7869,
367.8530, 581.3488

 46.9112, 31.6676,
75.6604

 109.6827, 83.1206,
163.1702

 33.1731, 21.1078,
55.6491


 139.0101,
108.1441, 202.8940

 22.4190, 13.2028,
39.5195


173.1482,
137.7444, 248.5922

 14.2834, 7.5683,
26.8532

212.4623,
172.3060, 300.6833

 8.4011, 3.8200,
17.2315

257.3180,
212.2133, 359.5860

 4.4066, 1.5734,
10.2360

308.0803,

 1.9346, 0.3396,

257.8506, 425.7188

5.4481

365.1149,
309.6024, 499.5002

■ 0.5968, 0.0000,
2.4492

■ 0.0000, 0.0000,
0.8130

■ 63.9986, 45.2668,
99.9720

■ 63.9986, 45.2668,
99.9720

■ 59.5609, 37.9776,
98.7989

■ 69.3256, 54.3049,
101.4358

■ 55.9481, 32.3115,
97.8957

■ 75.5919, 65.1947,
103.2075

■ 53.0940, 28.1352,
97.2400

■ 82.8489, 78.0380,
105.3040

■ 50.9200, 25.2918,
96.8058

■ 91.1430, 92.9272,
107.7407

■ 49.3297, 23.5886, 95.0500, 100.0000,
96.5608 108.9000

■ 48.6078, 22.9731,
96.4801

Harmonies

Analogous

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



52.6175, 45.2668, 137.3221



63.9986, 45.2668, 99.9720



69.9263, 45.2668, 57.6005

Triad

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



63.9986, 45.2668, 99.9720



45.8370, 45.2668, 8.6871



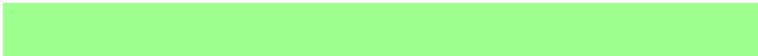
25.2421, 45.2668, 79.6470

Complementary

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



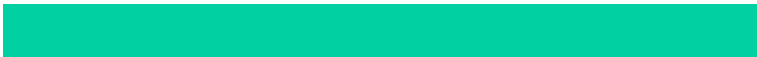
63.9986, 45.2668, 99.9720



54.3539, 80.5414, 38.2746

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.



24.0950, 45.2668, 41.8161



63.9986, 45.2668, 99.9720



34.6751, 45.2668, 10.2712

Square

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



63.9986, 45.2668, 99.9720



58.2613, 45.2668, 13.2994



27.2212, 45.2668, 19.5033



30.7072, 45.2668, 122.2945

Rectangle

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



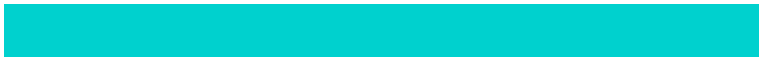
63.9986, 45.2668, 99.9720



69.3387, 45.2668, 35.9130



27.2212, 45.2668, 19.5033



24.3858, 45.2668, 65.6289

Sweetspot

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



64.0000, 45.2687, 99.9723



83.8767, 79.8723, 105.6039



41.2753, 37.1094, 99.5951



17.5850, 16.4396, 22.4963



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.



64.0000, 45.2687, 99.9723



60.0947, 38.8386, 98.9370



62.9964, 45.4407, 68.7805



18.5582, 18.1795, 22.7808



25.4858, 12.0489, 50.4170



2.5410, 1.2038, 4.9117

Inverse Universe

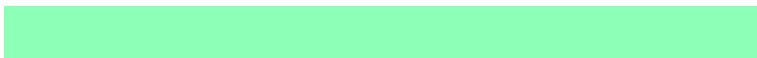
The Inverse Universe completely reimagines the original color for something new.



56.9149, 43.0081, 36.7558



52.4246, 36.4514, 27.7868



55.5091, 80.7084, 57.6911



18.1009, 18.0237, 19.1486



21.7105, 11.1735, 1.8599



2.1414, 1.0989, 0.3260

Previews

White Background



This preview shows how the XYZ color 63.9986, 45.2668, 99.9720 looks on a white background.

Color Contrast Check

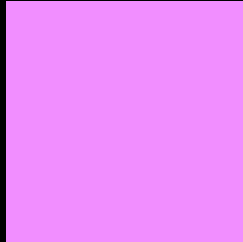
Large Text (above 18pt) WCAG AA × Fail

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 63.9986, 45.2668, 99.9720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

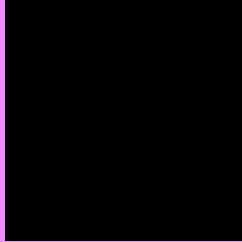
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9986, 45.2668, 99.9720

Background



This preview shows how black text looks on a background with the XYZ color 63.9986, 45.2668, 99.9720.



This preview shows how white text looks on a background with the XYZ color 63.9986, 45.2668,

99.9720.

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

63.9986, 45.2668, 99.9720

Protanopia

47.0986, 45.5343, 100.9144

Deuteranopia

46.5700, 45.3897, 95.1135



Tritanopia

52.9208, 45.3299, 45.4955

Trichromacy



Original Color

63.9986, 45.2668, 99.9720



Protanomaly

51.5752, 44.2100, 100.4228



Deuteranomaly

51.4271, 44.2073, 97.0892

Tritanomaly

56.2668, 44.9154, 62.2039

Monochromacy



Original Color

63.9986, 45.2668, 99.9720



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

50.9977, 46.0082, 67.1654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9986, 45.2668, 99.9720 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(241, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 142, 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(241, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 142, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.9986, 45.2668, 99.9720 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(241, 142, 255) }
```


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

```
.border{ border-color:rgb(241, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 142,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9986, 45.2668, 99.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 142, 255) }
```

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

```
.background{ background-color: rgb(241,  
142, 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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