

Converting Colors

XYZ(86.3670, 54.9325, 97.7664)

Have a look what the booklet for
XYZ(86.3670, 54.9325, 97.7664)
contains.

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Color

**XYZ(67.1982, 45.0633,
97.2518)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85FC
RGB	255, 133, 252
RGB Percent	100%, 52%, 99%
CMY	0.0000, 0.4784, 0.0118
CMYK	0.00, 0.48, 0.01, 0.00
HSL	301°, 100%, 76%
HSV	301°, 48%, 100%
XYZ	67.1982, 45.0633, 97.2518
YIQ	183.0440, 34.5130, 62.8730

Conversions

Conversions Part 2

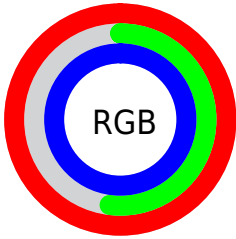
Format	Color
R _Y B	255, 133, 252
Decimal	16745980
CIE Lab	72.93, 62.09, -39.27
CIE LCh	73, 73.471, 327.686
Yxy	45.0633, 0.3207, 0.2151
Android (android.graphics.Color)	4294936060 (0xFFFF85FC)
YUV	183.0440, 33.9953, 63.1054
Hunter-Lab	67.1292, 61.2074, -38.9045

Details

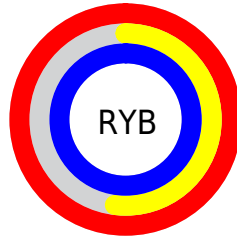
The XYZ color **67.1982, 45.0633, 97.2518** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.8781, 78.2848, 35.7761**, and the grayscale version is **44.8414, 47.1766, 51.3753**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **35.2692, 20.9836, 53.8211** is the 20% darker color. If you saturate the color by 10%, you get **64.0222, 38.8698, 95.7043**, and if you desaturate by 10%, it is **71.2237, 52.9548, 99.0852**.

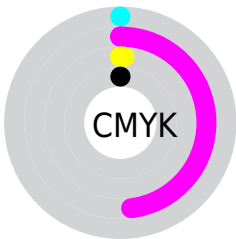
Distribution



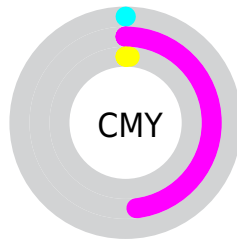
- Red (100%)
- Green (52%)
- Blue (99%)



- Red (100%)
- Yellow (52%)
- Blue (99%)



- Cyan (0%)
- Magenta (48%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1982, 45.0633, 97.2518 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 67.1982, 45.0633, 97.2518 by changing the saturation by 10% instead.


 67.1982, 45.0633,
97.2518


 67.1982, 45.0633,
97.2518


440.0713,
367.0299, 572.5165

 49.5170, 31.5073,
73.4034

 114.2526, 82.8154,
159.3941

 35.2460, 20.9854,
53.8120

 144.3565,
107.7803, 198.5251

 24.0198, 13.1134,
38.0592

 179.3320,
137.3169, 243.5874

 15.4732, 7.5067,
25.7265

219.5445,
171.8096, 294.9994

 9.2406, 3.7809,
16.3952

265.3594,
211.6429, 353.1798

 4.9568, 1.5518,
9.6469

317.1419,

 2.2564, 0.3248,

257.2011, 418.5471

5.0629

375.2574,
308.8686, 491.5198

■ 0.7722, 0.0000,
2.2248

■ 0.0000, 0.0000,
0.6887

■ 67.1982, 45.0633,
97.2518

■ 67.1982, 45.0633,
97.2518

■ 64.0222, 38.8698,
95.7043

■ 71.2237, 52.9548,
99.0852

■ 61.6304, 34.2446,
94.4193

■ 76.1520, 62.6516,
101.2206

■ 59.9530, 31.0473,
93.3740

■ 82.0352, 74.2578,
103.6759

■ 58.9061, 29.1106,
92.5405

■ 88.9210, 87.8685,
106.4671

■ 58.3778, 28.2107,
91.8814

95.0500, 100.0000,
108.9000

■ 58.2969, 28.0828,
91.7504

Harmonies

Analogous

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



55.3230, 45.0633, 141.7709



67.1982, 45.0633, 97.2518



72.4522, 45.0633, 51.9699

Triad

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



67.1982, 45.0633, 97.2518



43.8335, 45.0633, 6.9483



24.5152, 45.0633, 89.6738

Complementary

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



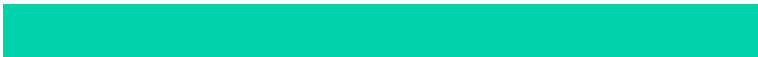
67.1982, 45.0633, 97.2518



49.8781, 78.2848, 35.7761

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.



22.6355, 45.0633, 46.2729



67.1982, 45.0633, 97.2518



32.3775, 45.0633, 9.3621

Square

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



67.1982, 45.0633, 97.2518



57.3912, 45.0633, 10.3381



25.2072, 45.0633, 20.1956



30.9691, 45.0633, 136.0712

Rectangle

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



67.1982, 45.0633, 97.2518



70.8403, 45.0633, 30.6068



25.2072, 45.0633, 20.1956



23.3915, 45.0633, 73.7639

Sweetspot

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



67.1992, 45.0650, 97.2527



84.5588, 79.2433, 104.7074



36.4363, 29.1508, 98.3140



17.7917, 16.3540, 22.2864



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.



67.1992, 45.0650, 97.2527



64.2582, 39.3284, 95.8241



59.1394, 41.8411, 54.8108



18.7723, 18.2922, 22.6838



30.4701, 14.6773, 47.9875



2.9727, 1.4314, 4.7034

Inverse Universe

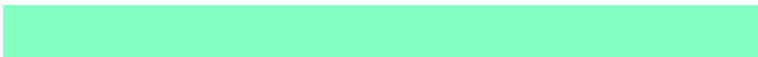
The Inverse Universe completely reimagines the original color for something new.



67.1992, 45.0650, 97.2527



64.2582, 39.3284, 95.8241



55.4017, 80.4942, 64.8631



18.7723, 18.2922, 22.6838



30.4701, 14.6773, 47.9875



2.9727, 1.4314, 4.7034

Previews

White Background



This preview shows how the XYZ color 67.1982, 45.0633, 97.2518 looks on a white background.

Color Contrast Check

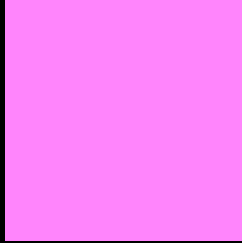
Large Text (above 18pt) WCAG AA × Fail

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 67.1982, 45.0633, 97.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

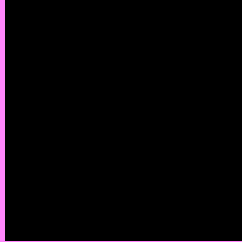
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1982, 45.0633, 97.2518

Background



This preview shows how black text looks on a background with the XYZ color 67.1982, 45.0633, 97.2518.



This preview shows how white text looks on a background with the XYZ color 67.1982, 45.0633,

97.2518.

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

67.1982, 45.0633, 97.2518

Protanopia

46.9090, 45.4366, 100.9055

Deuteranopia

46.5485, 45.4495, 91.9072



Tritanopia

55.4910, 44.7322, 41.3068

Trichromacy



Original Color

67.1982, 45.0633, 97.2518



Protanomaly

51.8695, 43.5926, 99.4463



Deuteranomaly

52.0390, 43.8072, 93.7086



Tritanomaly

59.0683, 44.5454, 58.3082

Monochromacy



Original Color

67.1982, 45.0633, 97.2518



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

51.1348, 45.0196, 65.6691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1982, 45.0633, 97.2518 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 252) }
```

Border

The CSS property to change the border of an element to XYZ 67.1982, 45.0633, 97.2518 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, 252) }
```


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

```
.border{ border-color:rgb(255, 133, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1982, 45.0633, 97.2518 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, 252) }
```

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

```
.background{ background-color: rgb(255,  
133, 252) }
```

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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