

Converting Colors

XYZ(67.4767, 45.0873, 98.9878)

Have a look what the booklet for
XYZ(67.4767, 45.0873, 98.9878)
contains.

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Color

**XYZ(67.5169, 45.1908,
98.9301)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85FE
RGB	255, 133, 254
RGB Percent	100%, 52%, 100%
CMY	0.0000, 0.4784, 0.0039
CMYK	0.00, 0.48, 0.00, 0.00
HSL	300°, 100%, 76%
HSV	300°, 48%, 100%
XYZ	67.5169, 45.1908, 98.9301
YIQ	183.2720, 33.8710, 63.4950

Conversions

Conversions Part 2

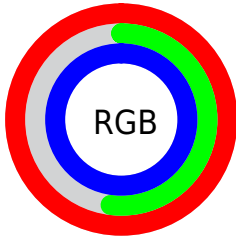
Format	Color
R _Y B	255, 133, 254
Decimal	16745982
CIE Lab	73.02, 62.43, -40.23
CIE LCh	73, 74.274, 327.203
Yxy	45.1908, 0.3190, 0.2135
Android (android.graphics.Color)	4294936062 (0xFFFF85FE)
YUV	183.2720, 34.8689, 62.9055
Hunter-Lab	67.2241, 61.6353, -40.1970

Details

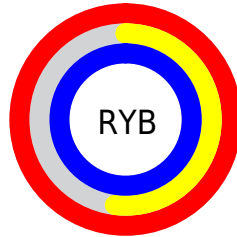
The XYZ color **67.5169, 45.1908, 98.9301** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.7373, 78.2284, 35.0344**, and the grayscale version is **44.9618, 47.3034, 51.5134**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **35.4969, 21.0747, 55.0203** is the 20% darker color. If you saturate the color by 10%, you get **64.4067, 39.0237, 97.7290**, and if you desaturate by 10%, it is **71.4764, 53.0559, 100.4156**.

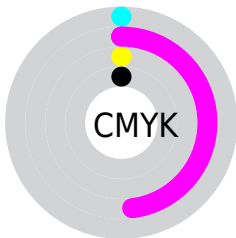
Distribution



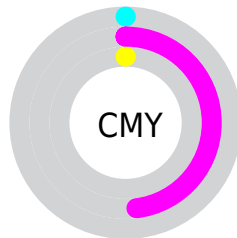
- Red (100%)
- Green (52%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5169, 45.1908, 98.9301 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 67.5169, 45.1908, 98.9301 by changing the saturation by 10% instead.


 67.5169, 45.1908,
98.9301


 67.5169, 45.1908,
98.9301


441.1861,
367.5458, 577.9744

 49.7771, 31.6077,
74.7954


 114.7065, 83.0067,
161.7252

 35.4534, 21.0621,
54.9446


 144.8869,
108.0082, 201.2226

 24.1805, 13.1694,
38.9591


 179.9449,
137.5848, 246.6781

 15.5930, 7.5453,
26.4203

220.2459,
172.1207, 298.5101

 9.3256, 3.8054,
16.9097

266.1551,
212.0003, 357.1372

 5.0130, 1.5653,
10.0089

318.0380,

 2.2897, 0.3340,

257.6081, 422.9779

5.2992

376.2599,
309.3285, 496.4508

■ 0.7894, 0.0000,
2.3621

■ 0.0000, 0.0000,
0.7657

■ 67.5169, 45.1908,
98.9301

■ 67.5169, 45.1908,
98.9301

■ 64.4067, 39.0237,
97.7290

■ 71.4764, 53.0559,
100.4156

■ 62.0804, 34.4246,
96.7888

■ 76.3383, 62.7261,
102.2016

■ 60.4681, 31.2534,
96.0868

■ 82.1549, 74.3057,
104.3059

■ 59.4861, 29.3427,
95.5951

■ 88.9737, 87.8896,
106.7445

■ 59.0224, 28.4686,
95.2763

95.0500, 100.0000,
108.9000

■ 58.9555, 28.3462,
95.2185

Harmonies

Analogous

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



55.3941, 45.1908, 144.0111



67.5169, 45.1908, 98.9301



72.9940, 45.1908, 52.7744

Triad

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



67.5169, 45.1908, 98.9301



44.1814, 45.1908, 6.7852



24.3679, 45.1908, 89.6192

Complementary

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



67.5169, 45.1908, 98.9301



49.7373, 78.2284, 35.0344

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.



22.5450, 45.1908, 45.8004



67.5169, 45.1908, 98.9301



32.5290, 45.1908, 9.0926

Square

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



67.5169, 45.1908, 98.9301



57.9300, 45.1908, 10.2712



25.2117, 45.1908, 19.7669



30.8084, 45.1908, 136.9949

Rectangle

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



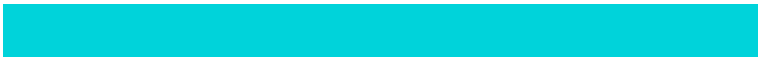
67.5169, 45.1908, 98.9301



71.4582, 45.1908, 30.9571



25.2117, 45.1908, 19.7669



23.2592, 45.1908, 73.5010

Sweetspot

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



67.5179, 45.1925, 98.9310



84.6528, 79.2809, 105.2022



36.1122, 28.9838, 98.2988



17.8149, 16.3633, 22.4085



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.



67.5179, 45.1925, 98.9310



64.6371, 39.4800, 97.8197



59.3663, 41.9319, 56.0054



18.7859, 18.2977, 22.7558



30.8085, 14.8127, 49.7694



3.0017, 1.4431, 4.8564

Inverse Universe

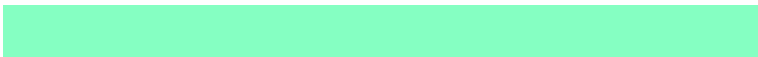
The Inverse Universe completely reimagines the original color for something new.



67.5179, 45.1925, 98.9310



64.6371, 39.4800, 97.8197



55.1718, 80.4022, 63.6520



18.7859, 18.2977, 22.7558



30.8085, 14.8127, 49.7694



3.0017, 1.4431, 4.8564

Previews

White Background



This preview shows how the XYZ color 67.5169, 45.1908, 98.9301 looks on a white background.

Color Contrast Check

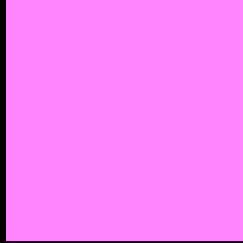
Large Text (above 18pt) WCAG AA × Fail

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 67.5169, 45.1908, 98.9301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

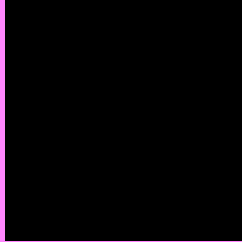
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5169, 45.1908, 98.9301

Background



This preview shows how black text looks on a background with the XYZ color 67.5169, 45.1908, 98.9301.



This preview shows how white text looks on a background with the XYZ color 67.5169, 45.1908,

98.9301.

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

67.5169, 45.1908, 98.9301

Protanopia

47.0986, 45.5343, 100.9144

Deuteranopia

46.6548, 45.4690, 93.5062



Tritanopia

55.6554, 45.0609, 41.3616

Trichromacy



Original Color

67.5169, 45.1908, 98.9301



Protanomaly

52.2807, 43.7861, 100.3038



Deuteranomaly

52.0919, 43.7986, 95.3310

Tritanomaly

59.0683, 44.5454, 58.3082

Monochromacy



Original Color

67.5169, 45.1908, 98.9301



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

51.2583, 45.0690, 66.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5169, 45.1908, 98.9301 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 254) }
```

Border

The CSS property to change the border of an element to XYZ 67.5169, 45.1908, 98.9301 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, 254) }
```


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

```
.border{ border-color:rgb(255, 133, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5169, 45.1908, 98.9301 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
133, 254) }
```

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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