

Converting Colors

XYZ(67.2095, 48.3213, 87.2814)

Have a look what the booklet for
XYZ(67.2095, 48.3213, 87.2814)
contains.

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Color

**XYZ(67.2537, 48.3594,
87.4510)**

Conversions

Conversions Part 1

Format	Color
Hex	FF93EF
RGB	255, 147, 239
RGB Percent	100%, 58%, 94%
CMY	0.0000, 0.4235, 0.0627
CMYK	0.00, 0.42, 0.06, 0.00
HSL	309°, 100%, 79%
HSV	309°, 42%, 100%
XYZ	67.2537, 48.3594, 87.4510
YIQ	189.7800, 34.8360, 51.5080

Conversions

Conversions Part 2

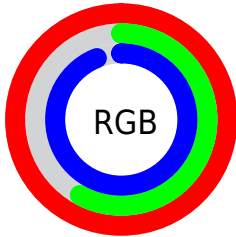
Format	Color
R _Y B	255, 147, 239
Decimal	16749551
CIE _{Lab}	75.05, 53.09, -28.92
CIE _{LCh}	75, 60.456, 331.418
Yxy	48.3594, 0.3312, 0.2381
Android (android.graphics.Color)	4294939631 (0xFFFF93EF)
YUV	189.7800, 24.2655, 57.1979
Hunter-Lab	69.5409, 50.9325, -25.8813

Details

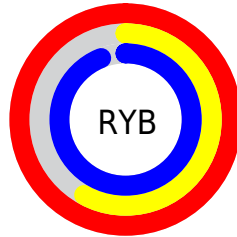
The XYZ color **67.2537, 48.3594, 87.4510** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.4050, 80.3681, 47.2979**, and the grayscale version is **48.6691, 51.2037, 55.7608**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **35.2265, 22.9834, 47.3793** is the 20% darker color. If you saturate the color by 10%, you get **63.1667, 41.0691, 83.3642**, and if you desaturate by 10%, it is **72.2333, 57.4157, 91.8941**.

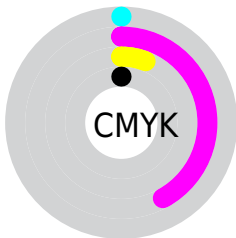
Distribution



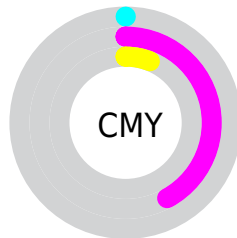
- Red (100%)
- Green (58%)
- Blue (94%)



- Red (100%)
- Yellow (58%)
- Blue (94%)



- Cyan (0%)
- Magenta (42%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2537, 48.3594, 87.4510 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 67.2537, 48.3594, 87.4510 by changing the saturation by 10% instead.


 67.2537, 48.3594,
87.4510


 67.2537, 48.3594,
87.4510


440.2656,
380.2149, 540.0583

 49.5623, 34.1116,
65.3067


 114.3317, 87.7393,
145.6970

 35.2821, 22.9793,
47.2569


 144.4489,
113.6401, 182.6358

 24.0478, 14.5783,
32.8830


179.4388,
144.1941, 225.3433

 15.4940, 8.5239,
21.7665

219.6667,
179.7856, 274.2378

 9.2554, 4.4320,
13.4887

265.4980,
220.7991, 329.7381

 4.9666, 1.9180,
7.6313

317.2980,

 2.2622, 0.5592,

267.6189, 392.2626

3.7756

375.4321,
320.6293, 462.2298

■ 0.7752, 0.0000,
1.5030

■ 0.0000, 0.0000,
0.2202

■ 67.2537, 48.3594,
87.4510

■ 67.2537, 48.3594,
87.4510

■ 63.1667, 41.0691,
83.3642

■ 72.2333, 57.4157,
91.8941

■ 59.9102, 35.4216,
79.6109

■ 78.1556, 68.3389,
96.7087

■ 57.4194, 31.2869,
76.1696

■ 85.0709, 81.2293,
101.9126

■ 55.6182, 28.5131,
73.0148

■ 93.0249, 96.1780,
107.5213

■ 54.4146, 26.9163, 95.0500, 100.0000,
70.1153 108.9000

■ 53.7933, 26.2813,
68.0348

Harmonies

Analogous

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



57.9495, 48.3594, 123.5008



67.2537, 48.3594, 87.4510



70.6369, 48.3594, 51.1646

Triad

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



67.2537, 48.3594, 87.4510



45.4407, 48.3594, 12.2487



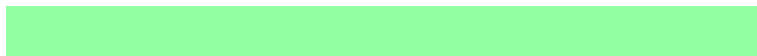
30.1155, 48.3594, 91.1577

Complementary

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



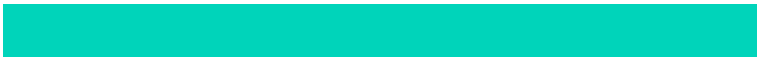
67.2537, 48.3594, 87.4510



54.4050, 80.3681, 47.2979

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.



27.8315, 48.3594, 54.1744



67.2537, 48.3594, 87.4510



35.7570, 48.3594, 15.9329

Square

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



67.2537, 48.3594, 87.4510



56.8939, 48.3594, 15.2642



29.7209, 48.3594, 28.5839



36.5323, 48.3594, 126.1765

Rectangle

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



67.2537, 48.3594, 87.4510



68.7100, 48.3594, 33.4185



29.7209, 48.3594, 28.5839



28.8899, 48.3594, 78.1396

Sweetspot

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



67.2548, 48.3613, 87.4520



84.5907, 80.3306, 101.5625



43.2644, 35.7085, 99.2199



17.7636, 16.5541, 21.4866



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.



67.2548, 48.3613, 87.4520



63.6689, 41.9552, 83.8963



60.6019, 45.7002, 52.4186



18.6702, 18.2514, 22.1462



28.1522, 13.7502, 35.7814



2.7712, 1.3508, 3.6424

Inverse Universe

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



67.2548, 48.3613, 87.4520



63.6689, 41.9552, 83.8963



60.1112, 82.6506, 77.3462



18.6702, 18.2514, 22.1462



28.1522, 13.7502, 35.7814



2.7712, 1.3508, 3.6424

Previews

White Background



This preview shows how the XYZ color 67.2537, 48.3594, 87.4510 looks on a white background.

Color Contrast Check

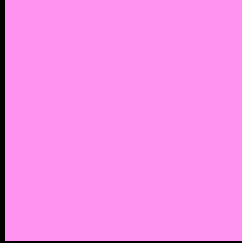
Large Text (above 18pt) WCAG AA × Fail

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 67.2537, 48.3594, 87.4510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

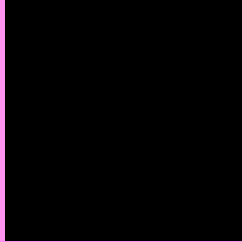
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2537, 48.3594, 87.4510

Background



This preview shows how black text looks on a background with the XYZ color 67.2537, 48.3594, 87.4510.



This preview shows how white text looks on a background with the XYZ color 67.2537, 48.3594,

87.4510.

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

67.2537, 48.3594, 87.4510

Protanopia

50.0877, 48.8735, 101.4014

Deuteranopia

49.7960, 48.8041, 83.8864



Tritanopia

58.6455, 48.2810, 45.7634

Trichromacy



Original Color

67.2537, 48.3594, 87.4510



Protanomaly

54.2386, 47.3248, 95.8984



Deuteranomaly

54.6370, 47.4959, 84.8852



Tritanomaly

61.3909, 48.1321, 58.8781

Monochromacy



Original Color

67.2537, 48.3594, 87.4510



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.2528, 49.1223, 66.2966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2537, 48.3594, 87.4510 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, 147, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 239)  
}
```

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, 147, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 239) }
```

Border

The CSS property to change the border of an element to XYZ 67.2537, 48.3594, 87.4510 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, 147, 239) }
```


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

```
.border{ border-color:rgb(255, 147, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2537, 48.3594, 87.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 239) }
```

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

```
.background{ background-color: rgb(255,  
147, 239) }
```

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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