

Converting Colors

XYZ(64.6322, 43.5267, 99.6027)

Have a look what the booklet for
XYZ(64.6322, 43.5267, 99.6027)
contains.

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Color

**XYZ(64.6590, 43.4967,
99.5955)**

Conversions

Conversions Part 1

Format	Color
Hex	F784FF
RGB	247, 132, 255
RGB Percent	97%, 52%, 100%
CMY	0.0314, 0.4823, 0.0000
CMYK	0.03, 0.48, 0.00, 0.00
HSL	296°, 100%, 76%
HSV	296°, 48%, 100%
XYZ	64.6590, 43.4967, 99.5955
YIQ	180.4070, 29.0570, 62.6330

Conversions

Conversions Part 2

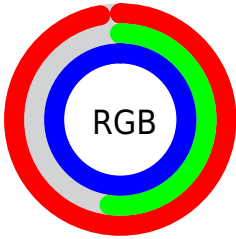
Format	Color
R _Y B	247, 132, 255
Decimal	16221439
CIE Lab	71.89, 60.90, -42.61
CIE LCh	72, 74.329, 325.024
Yxy	43.4967, 0.3112, 0.2094
Android (android.graphics.Color)	4294411519 (0xFFFF784FF)
YUV	180.4070, 36.7743, 58.4021
Hunter-Lab	65.9520, 59.5844, -43.3686

Details

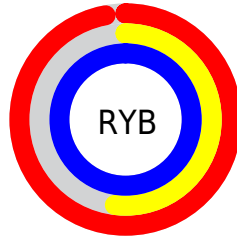
The XYZ color **64.6590, 43.4967, 99.5955** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.7412, 78.7619, 34.3601**, and the grayscale version is **43.4001, 45.6603, 49.7240**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **33.5860, 20.0763, 55.5310** is the 20% darker color. If you saturate the color by 10%, you get **61.0324, 37.1069, 98.5533**, and if you desaturate by 10%, it is **69.1385, 51.5828, 100.9202**.

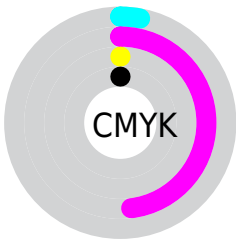
Distribution



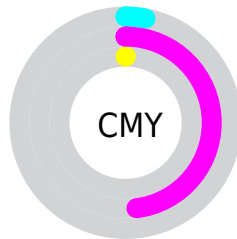
- Red (97%)
- Green (52%)
- Blue (100%)



- Red (97%)
- Yellow (52%)
- Blue (100%)



- Cyan (3%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6590, 43.4967, 99.5955 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 64.6590, 43.4967, 99.5955 by changing the saturation by 10% instead.

 64.6590, 43.4967,
99.5955


 64.6590, 43.4967,
99.5955

431.1302,
360.6505, 580.1306


 47.4483, 30.2750,
75.3478

 110.6279, 80.4599,
162.6482

 33.5996, 20.0474,
55.3944


 140.1168,
104.9701, 202.2903

 22.7476, 12.4295,
39.3168


 174.4292,
134.0121, 247.9009

 14.5269, 7.0369,
26.6966

213.9303,
167.9701, 299.8985

 8.5722, 3.4852,
17.1151

258.9857,
207.2285, 358.7018

 4.5181, 1.3900,
10.1537

309.9605,

 1.9992, 0.2093,

252.1718, 424.7292

5.3941

367.2202,
303.1843, 498.3993

■ 0.6335, 0.0000,
2.4175

■ 0.0000, 0.0000,
0.7960

■ 64.6590, 43.4967,
99.5955

■ 64.6590, 43.4967,
99.5955

■ 61.0324, 37.1069,
98.5533

■ 69.1385, 51.5828,
100.9202

■ 58.1919, 32.2825,
97.7718

■ 74.5232, 61.4722,
102.5453

■ 56.0675, 28.8827,
97.2276

■ 80.8658, 73.2699,
104.4882

■ 54.5749, 26.7387,
96.8924

■ 88.2140, 87.0709,
106.7647

■ 53.5978, 25.6182,
96.7276

95.0500, 100.0000,
108.9000

■ 53.4502, 25.4695,
96.7067

Harmonies

Analogous

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



52.5136, 43.4967, 142.7360



64.6590, 43.4967, 99.5955



70.6321, 43.4967, 53.6662

Triad

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



64.6590, 43.4967, 99.5955



43.4891, 43.4967, 6.3322



22.9801, 43.4967, 83.3794

Complementary

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



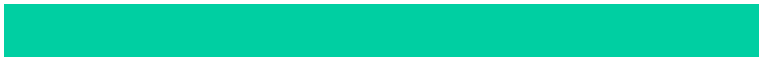
64.6590, 43.4967, 99.5955



50.7412, 78.7619, 34.3601

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.



21.5295, 43.4967, 41.5692



64.6590, 43.4967, 99.5955



31.8796, 43.4967, 8.1201

Square

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



64.6590, 43.4967, 99.5955



56.9192, 43.4967, 10.1322



24.4368, 43.4967, 17.5910



28.9031, 43.4967, 130.4914

Rectangle

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



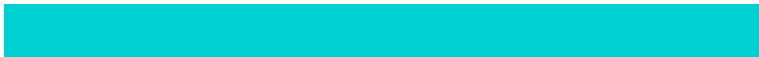
64.6590, 43.4967, 99.5955



69.5797, 43.4967, 31.4945



24.4368, 43.4967, 17.5910



22.0121, 43.4967, 67.8207

Sweetspot

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



64.6604, 43.4986, 99.5958



83.8509, 78.8621, 105.4102



36.9748, 30.9423, 98.6314



17.6170, 16.2599, 22.4599



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.



64.6604, 43.4986, 99.5958



61.1077, 37.2375, 98.5746



60.1175, 42.0143, 60.6337



18.6692, 18.2367, 22.7860



27.9787, 13.3340, 50.5337



2.7580, 1.3157, 4.9219

Inverse Universe

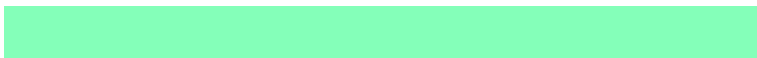
The Inverse Universe completely reimagines the original color for something new.



54.2260, 39.6577, 29.6092



49.7025, 33.0740, 20.5071



54.0657, 79.9416, 58.6477



18.0573, 18.0062, 18.9188



21.6179, 11.1364, 1.3722



2.1208, 1.0907, 0.2178

Previews

White Background



This preview shows how the XYZ color 64.6590, 43.4967, 99.5955 looks on a white background.

Color Contrast Check

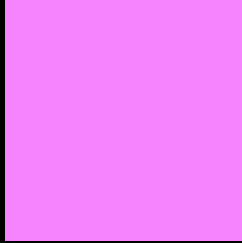
Large Text (above 18pt) WCAG AA × Fail

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 64.6590, 43.4967, 99.5955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

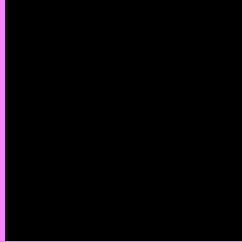
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6590, 43.4967, 99.5955

Background



This preview shows how black text looks on a background with the XYZ color 64.6590, 43.4967, 99.5955.



This preview shows how white text looks on a background with the XYZ color 64.6590, 43.4967,

99.5955.

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

64.6590, 43.4967, 99.5955

Protanopia

45.5805, 43.8817, 100.6754

Deuteranopia

44.8734, 43.6629, 94.0584



Tritanopia

52.4437, 43.1612, 41.1642

Trichromacy



Original Color

64.6590, 43.4967, 99.5955



Protanomaly

50.4557, 42.3306, 100.1191



Deuteranomaly

50.1470, 42.2632, 95.9571

Tritanomaly

55.9150, 42.6787, 58.7169

Monochromacy



Original Color

64.6590, 43.4967, 99.5955



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

49.2615, 43.5367, 64.8386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6590, 43.4967, 99.5955 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(247, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 132, 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(247, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6590, 43.4967, 99.5955 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(247, 132, 255) }
```


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

```
.border{ border-color:rgb(247, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6590, 43.4967, 99.5955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 132, 255) }
```

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

```
.background{ background-color: rgb(247,  
132, 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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