

Converting Colors

XYZ(63.9358, 41.3239, 99.2143)

Have a look what the booklet for
XYZ(63.9358, 41.3239, 99.2143)
contains.

XYZ(63.8444, 41.3424, 99.2226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.8444, 41.3424,
99.2226)**

Conversions

Conversions Part 1

Format	Color
Hex	F87BFF
RGB	248, 123, 255
RGB Percent	97%, 48%, 100%
CMY	0.0274, 0.5176, 0.0000
CMYK	0.03, 0.52, 0.00, 0.00
HSL	297°, 100%, 74%
HSV	297°, 52%, 100%
XYZ	63.8444, 41.3424, 99.2226
YIQ	175.4230, 32.1280, 67.5520

Conversions

Conversions Part 2

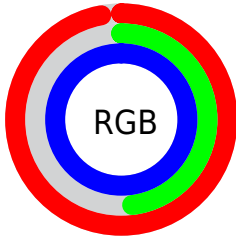
Format	Color
R_{YB}	248, 123, 255
Decimal	16284671
CIE _{Lab}	70.42, 65.41, -44.91
CIE _{LCh}	70, 79.344, 325.527
Yxy	41.3424, 0.3123, 0.2023
Android (android.graphics.Color)	4294474751 (0xFFFF87BFF)
YUV	175.4230, 39.2315, 63.6500
Hunter-Lab	64.2981, 64.7190, -46.4857

Details

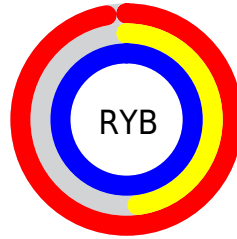
The XYZ color **63.8444, 41.3424, 99.2226** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **48.5420, 77.6963, 31.1793**, and the grayscale version is **40.7595, 42.8821, 46.6987**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **33.1275, 18.7925, 55.3074** is the 20% darker color. If you saturate the color by 10%, you get **60.6060, 35.5738, 98.2799**, and if you desaturate by 10%, it is **67.9126, 48.7637, 100.4407**.

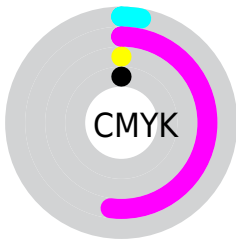
Distribution



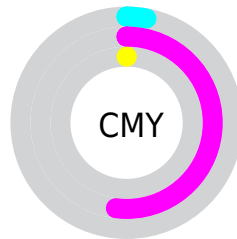
- Red (97%)
- Green (48%)
- Blue (100%)



- Red (97%)
- Yellow (48%)
- Blue (100%)



- Cyan (3%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8444, 41.3424, 99.2226 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 63.8444, 41.3424, 99.2226 by changing the saturation by 10% instead.


 63.8444, 41.3424,
99.2226

 63.8444, 41.3424,
99.2226


428.2387,
351.7496, 578.9227

 46.7859, 28.5867,
75.0382


 109.4618, 77.2034,
162.1310

 33.0736, 18.7684,
55.1423


 138.7514,
101.0775, 201.6921

 22.3424, 11.5031,
39.1163


 172.8487,
129.4266, 247.2158

 14.2267, 6.4063,
26.5417

212.1191,
162.6349, 299.1207

 8.3613, 3.0937,
16.9999

256.9279,
201.0870, 357.8253

 4.3807, 1.1808,
10.0725

307.6406,

 1.9197, 0.0460,

245.1673, 423.7481

5.3408

364.6224,
295.2600, 497.3078

■ 0.5882, 0.0000,
2.3864

■ 0.0000, 0.0000,
0.7790

■ 63.8444, 41.3424,
99.2226

■ 63.8444, 41.3424,
99.2226

■ 60.6060, 35.5738,
98.2799

■ 67.9126, 48.7637,
100.4407

■ 58.1280, 31.3216,
97.5897

■ 72.8650, 57.9490,
101.9526

■ 56.3364, 28.4372,
97.1274

■ 78.7558, 69.0063,
103.7764

■ 55.1405, 26.7391,
96.8627

■ 85.6342, 82.0332,
105.9283

■ 54.4898, 26.0054,
96.7554

■ 93.5454, 97.1209,
108.4236

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



51.1399, 41.3424, 146.0917



63.8444, 41.3424, 99.2226



70.0222, 41.3424, 50.8591

Triad

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



63.8444, 41.3424, 99.2226



41.2856, 41.3424, 4.6463



20.7116, 41.3424, 83.6632

Complementary

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



63.8444, 41.3424, 99.2226



48.5420, 77.6963, 31.1793

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.



19.2003, 41.3424, 39.6364



63.8444, 41.3424, 99.2226



29.4362, 41.3424, 6.3094

Square

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



63.8444, 41.3424, 99.2226



55.2904, 41.3424, 7.9468



22.0158, 41.3424, 15.3462



26.7263, 41.3424, 134.1401

Rectangle

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



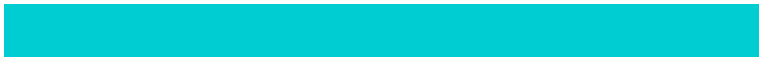
63.8444, 41.3424, 99.2226



68.7947, 41.3424, 28.3770



22.0158, 41.3424, 15.3462



19.7261, 41.3424, 67.1418

Sweetspot

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



63.8458, 41.3442, 99.2229



82.5959, 76.2665, 104.9754



34.4441, 27.8812, 98.1739



17.3771, 15.7527, 22.3747



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.



63.8458, 41.3442, 99.2229



60.5386, 35.4557, 98.2606



58.4940, 39.4955, 57.8472



18.6919, 18.2484, 22.7871



28.5134, 13.6097, 50.5587



2.8042, 1.3396, 4.9240

Inverse Universe

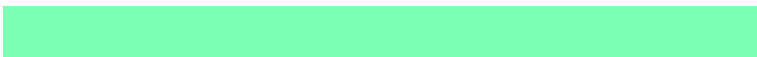
The Inverse Universe completely reimagines the original color for something new.



52.3532, 37.0392, 25.5104



48.0698, 30.8167, 16.8554



52.1882, 79.0350, 55.7934



18.0484, 18.0027, 18.8721



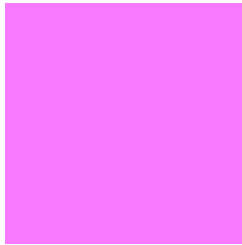
21.6043, 11.1310, 1.3010



2.1166, 1.0890, 0.1957

Previews

White Background



This preview shows how the XYZ color 63.8444, 41.3424, 99.2226 looks on a white background.

Color Contrast Check

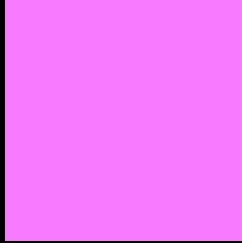
Large Text (above 18pt) WCAG AA × Fail

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 63.8444, 41.3424, 99.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

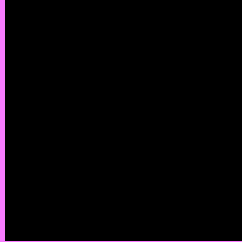
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8444, 41.3424, 99.2226

Background



This preview shows how black text looks on a background with the XYZ color 63.8444, 41.3424, 99.2226.



This preview shows how white text looks on a background with the XYZ color 63.8444, 41.3424,

99.2226.

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

63.8444, 41.3424, 99.2226

Protanopia

43.5801, 41.7202, 100.3636

Deuteranopia

42.6991, 41.7089, 92.9889



Tritanopia

51.1973, 41.1689, 37.5958

Trichromacy



Original Color

63.8444, 41.3424, 99.2226



Protanomaly

48.4973, 39.8262, 99.7389



Deuteranomaly

47.9459, 39.8958, 94.7962

Tritanomaly

54.6493, 40.5525, 55.3992

Monochromacy



Original Color

63.8444, 41.3424, 99.2226



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

47.1447, 40.6931, 62.4965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8444, 41.3424, 99.2226 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(248, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 123, 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(248, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 123, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8444, 41.3424, 99.2226 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(248, 123, 255) }
```


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

```
.border{ border-color:rgb(248, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 123,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8444, 41.3424, 99.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 123, 255) }
```

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

```
.background{ background-color: rgb(248,  
123, 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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