

Converting Colors

XYZ(63.2463, 42.3723, 90.4305)

Have a look what the booklet for
XYZ(63.2463, 42.3723, 90.4305)
contains.

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Color

**XYZ(63.2463, 42.3719,
90.4331)**

Conversions

Conversions Part 1

Format	Color
Hex	F981F4
RGB	249, 129, 244
RGB Percent	98%, 51%, 96%
CMY	0.0235, 0.4941, 0.0431
CMYK	0.00, 0.48, 0.02, 0.02
HSL	303°, 91%, 74%
HSV	303°, 48%, 98%
XYZ	63.2463, 42.3719, 90.4331
YIQ	177.9900, 34.6050, 61.2050

Conversions

Conversions Part 2

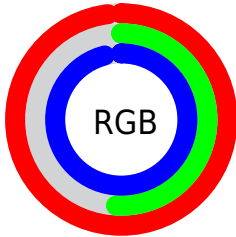
Format	Color
R _Y B	249, 129, 244
Decimal	16351732
CIE Lab	71.13, 60.97, -37.78
CIE LCh	71, 71.728, 328.217
Yxy	42.3719, 0.3226, 0.2161
Android (android.graphics.Color)	4294541812 (0xFFFF981F4)
YUV	177.9900, 32.5429, 62.2758
Hunter-Lab	65.0937, 59.5201, -36.8046

Details

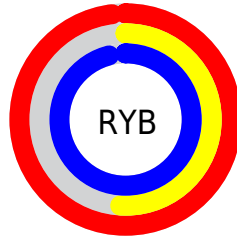
The XYZ color **63.2463, 42.3719, 90.4331** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.2339, 74.1413, 34.3780**, and the grayscale version is **42.1337, 44.3279, 48.2731**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **32.5874, 19.3001, 49.0215** is the 20% darker color. If you saturate the color by 10%, you get **60.2005, 36.5308, 88.6430**, and if you desaturate by 10%, it is **67.0949, 49.8152, 92.4960**.

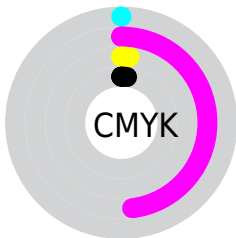
Distribution



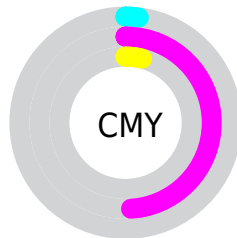
- Red (98%)
- Green (51%)
- Blue (96%)



- Red (98%)
- Yellow (51%)
- Blue (96%)



- Cyan (0%)
- Magenta (48%)
- Yellow (2%)
- Black (2%)





- Cyan (2%)
- Magenta (49%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2463, 42.3719, 90.4331 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 63.2463, 42.3719, 90.4331 by changing the saturation by 10% instead.


 63.2463, 42.3719,
90.4331


 63.2463, 42.3719,
90.4331


426.1083,
356.0223, 550.0451

 46.2999, 29.3926,
67.7642

 108.6046, 78.7622,
149.8806

 32.6882, 19.3780,
49.2404


 137.7472,
102.9419, 187.4963

 22.0457, 11.9437,
34.4433


 171.6859,
131.6240, 230.9313

 14.0073, 6.7054,
22.9542

210.7860,
165.1927, 280.6042

 8.2075, 3.2785,
14.3547

255.4130,
204.0325, 336.9334

 4.2809, 1.2788,
8.2262

305.9321,

 1.8623, 0.1247,

248.5278, 400.3377

4.1502

362.7087,
299.0629, 471.2354

■ 0.5548, 0.0000,
1.7081

■ 0.0000, 0.0000,
0.3663

■ 63.2463, 42.3719,
90.4331

■ 63.2463, 42.3719,
90.4331

■ 60.2005, 36.5308,
88.6430

■ 67.0949, 49.8152,
92.4960

■ 57.8941, 32.1680,
87.1033

■ 71.7950, 58.9611,
94.8467

■ 56.2613, 29.1510,
85.7925

■ 77.3967, 69.9088,
97.5023

■ 55.2227, 27.3211,
84.6842

■ 83.9448, 82.7479,
100.4778

■ 54.6686, 26.4587,
83.7417

■ 91.4814, 97.5623,
103.7872

■ 54.5920, 26.3498,
83.5795

■ 92.1184, 98.5764,
104.8011

■ 92.2818, 98.6417,
105.6616

■ 92.4461, 98.7075,
106.5269

■ 92.6113, 98.7736,
107.3968

Harmonies

Analogous

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



52.1989, 42.3719, 132.3093



63.2463, 42.3719, 90.4331



68.0217, 42.3719, 48.2227

Triad

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



63.2463, 42.3719, 90.4331



40.9955, 42.3719, 6.5901



23.1695, 42.3719, 84.9688

Complementary

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



63.2463, 42.3719, 90.4331



47.2339, 74.1413, 34.3780

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.



21.3312, 42.3719, 44.1100



63.2463, 42.3719, 90.4331



30.3181, 42.3719, 8.9668

Square

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



63.2463, 42.3719, 90.4331



53.6912, 42.3719, 9.6746



23.6697, 42.3719, 19.3472



29.3006, 42.3719, 128.2020

Rectangle

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



63.2463, 42.3719, 90.4331



66.4101, 42.3719, 28.4059



23.6697, 42.3719, 19.3472



22.0899, 42.3719, 70.0338

Sweetspot

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



63.2477, 42.3738, 90.4340



84.4612, 79.2043, 104.1933



34.6240, 27.5288, 93.1124



17.7676, 16.3444, 22.1595



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.



63.2477, 42.3738, 90.4340



63.5815, 38.6256, 93.5931



55.6759, 39.3451, 50.5610



17.9600, 17.5113, 21.6449



29.2356, 14.1100, 44.8105



2.7172, 1.3106, 4.1999

Inverse Universe

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



63.2477, 42.3738, 90.4340



63.5815, 38.6256, 93.5931



52.5564, 76.2703, 62.4058



17.9600, 17.5113, 21.6449



29.2356, 14.1100, 44.8105



2.7172, 1.3106, 4.1999

Previews

White Background



This preview shows how the XYZ color 63.2463, 42.3719, 90.4331 looks on a white background.

Color Contrast Check

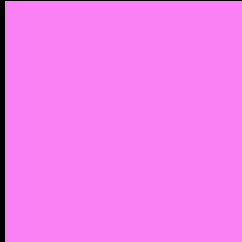
Large Text (above 18pt) WCAG AA × Fail

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 63.2463, 42.3719, 90.4331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

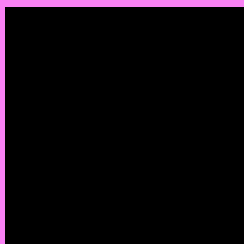
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2463, 42.3719, 90.4331

Background



This preview shows how black text looks on a background with the XYZ color 63.2463, 42.3719, 90.4331.



This preview shows how white text looks on a background with the XYZ color 63.2463, 42.3719,

90.4331.

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

63.2463, 42.3719, 90.4331

Protanopia

44.6566, 42.8360, 100.5223

Deuteranopia

43.6031, 42.6291, 85.2870



Tritanopia

52.6892, 42.3837, 38.6615

Trichromacy



Original Color

63.2463, 42.3719, 90.4331



Protanomaly

48.8295, 40.8092, 96.5702



Deuteranomaly

48.7037, 40.9561, 86.9997



Tritanomaly

56.0391, 42.1623, 54.4748

Monochromacy



Original Color

63.2463, 42.3719, 90.4331



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

48.1333, 42.2432, 61.4940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2463, 42.3719, 90.4331 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(249, 129, 244)` looks like.

```
.text, #text, p{  
    color:rgb(249, 129, 244)  
}
```

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(249, 129, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 129, 244) }
```

Border

The CSS property to change the border of an element to XYZ 63.2463, 42.3719, 90.4331 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(249, 129, 244) }
```


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

```
.border{ border-color:rgb(249, 129, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 129, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 129, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 129, 244); box-shadow:4px 4px 4px 4px rgb(249, 129, 244) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2463, 42.3719, 90.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 129, 244) }
```

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

```
.background{ background-color: rgb(249,  
129, 244) }
```

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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