

Converting Colors

XYZ(66.8809, 43.9907,
111.0813)

Have a look what the booklet for
XYZ(66.8809, 43.9907, 111.0813)
contains.

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Color

**XYZ(64.7440, 43.1417,
99.5225)**

Conversions

Conversions Part 1

Format	Color
Hex	F882FF
RGB	248, 130, 255
RGB Percent	97%, 51%, 100%
CMY	0.0274, 0.4902, 0.0000
CMYK	0.03, 0.49, 0.00, 0.00
HSL	297°, 100%, 75%
HSV	297°, 49%, 100%
XYZ	64.7440, 43.1417, 99.5225
YIQ	179.5320, 30.2030, 63.8910

Conversions

Conversions Part 2

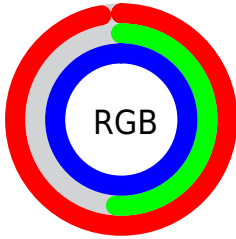
Format	Color
R _Y B	248, 130, 255
Decimal	16286463
CIE _{Lab}	71.65, 62.13, -42.97
CIE _{LCh}	72, 75.544, 325.330
Yxy	43.1417, 0.3122, 0.2080
Android (android.graphics.Color)	4294476543 (0xFFFF882FF)
YUV	179.5320, 37.2057, 60.0464
Hunter-Lab	65.6823, 61.0058, -43.8591

Details

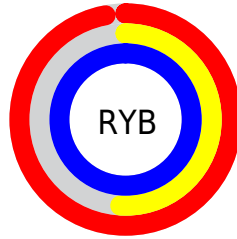
The XYZ color **64.7440, 43.1417, 99.5225** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.1068, 78.4506, 33.6227**, and the grayscale version is **42.9292, 45.1649, 49.1846**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **33.6281, 19.7936, 55.4742** is the 20% darker color. If you saturate the color by 10%, you get **61.2591, 36.9195, 98.5052**, and if you desaturate by 10%, it is **69.0759, 51.0501, 100.8207**.

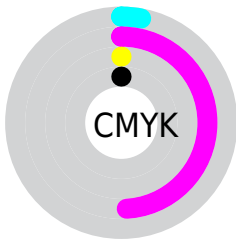
Distribution



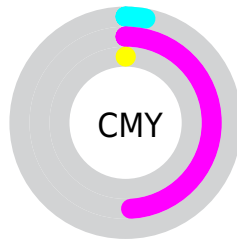
- Red (97%)
- Green (51%)
- Blue (100%)



- Red (97%)
- Yellow (51%)
- Blue (100%)



- Cyan (3%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7440, 43.1417, 99.5225 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 64.7440, 43.1417, 99.5225 by changing the saturation by 10% instead.


 64.7440, 43.1417,
99.5225


 64.7440, 43.1417,
99.5225


431.4312,
359.1942, 579.8943


 47.5175, 29.9963,
75.2872

 110.7495, 79.9246,
162.5470

 33.6546, 19.8358,
55.3450

 140.2591,
104.3310, 202.1732

 22.7900, 12.2757,
39.2776


 174.5939,
133.2598, 247.7668

 14.5584, 6.9318,
26.6662

214.1190,
167.0954, 299.7463

 8.5943, 3.4195,
17.0925

259.2000,
206.2223, 358.5303

 4.5325, 1.3544,
10.1378

310.2021,

 2.0076, 0.1828,

251.0248, 424.5372

5.3836

367.4907,
301.8873, 498.1857

■ 0.6382, 0.0000,
2.4114

■ 0.0000, 0.0000,
0.7926

■ 64.7440, 43.1417,
99.5225

■ 64.7440, 43.1417,
99.5225

■ 61.2591, 36.9195,
98.5052

■ 69.0759, 51.0501,
100.8207

■ 58.5537, 32.2516,
97.7468

■ 74.3073, 60.7528,
102.4178

■ 56.5569, 28.9954,
97.2235

■ 80.4914, 72.3552,
104.3313

■ 55.1833, 26.9795,
96.9068

■ 87.6762, 85.9531,
106.5773

■ 54.3061, 25.9511, 95.0500, 100.0000,
96.7546 108.9000

■ 54.2311, 25.8720,
96.7432

Harmonies

Analogous

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



52.4542, 43.1417, 143.7490



64.7440, 43.1417, 99.5225



70.7310, 43.1417, 52.9464

Triad

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



64.7440, 43.1417, 99.5225



43.0405, 43.1417, 5.9344



22.5483, 43.1417, 84.0174

Complementary

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



64.7440, 43.1417, 99.5225



50.1068, 78.4506, 33.6227

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.



21.0503, 43.1417, 41.4685



64.7440, 43.1417, 99.5225



31.3560, 43.1417, 7.7375

Square

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



64.7440, 43.1417, 99.5225



56.6492, 43.1417, 9.5922



23.9194, 43.1417, 17.2161



28.5438, 43.1417, 131.9947

Rectangle

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



64.7440, 43.1417, 99.5225



69.5959, 43.1417, 30.7030



23.9194, 43.1417, 17.2161



21.5632, 43.1417, 68.1675

Sweetspot

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



64.7454, 43.1436, 99.5228



83.2550, 77.5730, 105.1928



36.3939, 30.2406, 98.5266



17.5052, 16.0091, 22.4174



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.



64.7454, 43.1436, 99.5228



61.2644, 36.9290, 98.5068



59.7467, 41.4361, 60.0061



18.6863, 18.2455, 22.7868



28.3804, 13.5411, 50.5525



2.7927, 1.3336, 4.9235

Inverse Universe

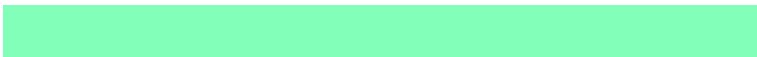
The Inverse Universe completely reimagines the original color for something new.



53.7390, 39.0330, 28.3702



49.2250, 32.4634, 19.2866



53.6364, 79.7341, 58.0041



18.0506, 18.0036, 18.8836



21.6075, 11.1323, 1.3177



2.1177, 1.0894, 0.2012

Previews

White Background



This preview shows how the XYZ color 64.7440, 43.1417, 99.5225 looks on a white background.

Color Contrast Check

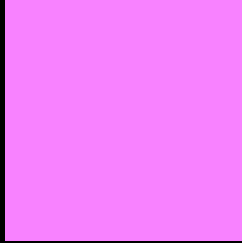
Large Text (above 18pt) WCAG AA × Fail

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 64.7440, 43.1417, 99.5225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

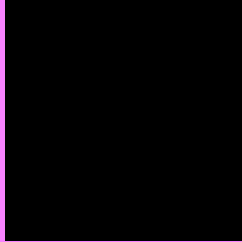
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7440, 43.1417, 99.5225

Background



This preview shows how black text looks on a background with the XYZ color 64.7440, 43.1417, 99.5225.



This preview shows how white text looks on a background with the XYZ color 64.7440, 43.1417,

99.5225.

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

64.7440, 43.1417, 99.5225

Protanopia

45.2063, 43.4030, 100.6027

Deuteranopia

44.6871, 43.5668, 94.0497



Tritanopia

52.4312, 42.9337, 40.1739

Trichromacy



Original Color

64.7440, 43.1417, 99.5225



Protanomaly

49.8741, 41.5243, 99.9941



Deuteranomaly

49.7319, 41.7950, 95.8886

Tritanomaly

55.8722, 42.4573, 57.4748

Monochromacy



Original Color

64.7440, 43.1417, 99.5225



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

49.3597, 43.3248, 64.7925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7440, 43.1417, 99.5225 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, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 130, 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, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.7440, 43.1417, 99.5225 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, 130, 255) }
```


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

```
.border{ border-color:rgb(248, 130, 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, 130, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7440, 43.1417, 99.5225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 130, 255) }
```

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

```
.background{ background-color: rgb(248,  
130, 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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