

Converting Colors

XYZ(63.9869, 42.2961, 84.9123)

Have a look what the booklet for
XYZ(63.9869, 42.2961, 84.9123)
contains.

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Color

**XYZ(63.9869, 42.2961,
84.9123)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7EED
RGB	255, 126, 237
RGB Percent	100%, 49%, 93%
CMY	0.0000, 0.5059, 0.0706
CMYK	0.00, 0.51, 0.07, 0.00
HSL	308°, 100%, 75%
HSV	308°, 51%, 100%
XYZ	63.9869, 42.2961, 84.9123
YIQ	177.2250, 41.2530, 61.8690

Conversions

Conversions Part 2

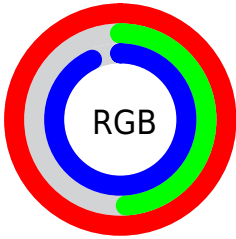
Format	Color
R _{YB}	255, 126, 237
Decimal	16744173
CIE _{Lab}	71.07, 62.89, -33.96
CIE _{LCh}	71, 71.478, 331.631
Y _{xy}	42.2961, 0.3347, 0.2212
Android (android.graphics.Color)	4294934253 (0xFFFF7EED)
YUV	177.2250, 29.4691, 68.2087
Hunter-Lab	65.0355, 61.8100, -31.8860

Details

The XYZ color **63.9869, 42.2961, 84.9123** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.3996, 77.9699, 38.8339**, and the grayscale version is **41.7442, 43.9182, 47.8269**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **33.2336, 19.3282, 45.6952** is the 20% darker color. If you saturate the color by 10%, you get **60.6172, 36.3803, 81.2500**, and if you desaturate by 10%, it is **68.1997, 49.8811, 88.9076**.

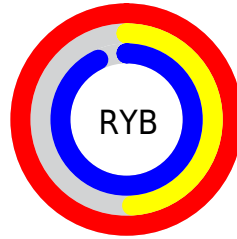
Distribution



Red (100%)

Green (49%)

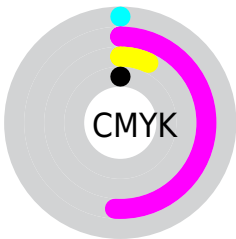
Blue (93%)



Red (100%)

Yellow (49%)

Blue (93%)

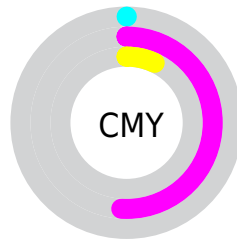


Cyan (0%)

Magenta (51%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9869, 42.2961, 84.9123 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 63.9869, 42.2961, 84.9123 by changing the saturation by 10% instead.


 63.9869, 42.2961,
84.9123


 63.9869, 42.2961,
84.9123


428.7453,
355.7089, 531.4748


 46.9017, 29.3332,
63.2192


 109.6659, 78.6476,
142.1237

 33.1656, 19.3330,
45.5764


 138.9904,
102.8049, 178.4791

 22.4132, 11.9112,
31.5654


 173.1255,
131.4626, 220.5590

 14.2791, 6.6832,
20.7677

212.4363,
165.0049, 268.7819

 8.3980, 3.2648,
12.7647

257.2884,
203.8163, 323.5664

 4.4046, 1.2715,
7.1379

308.0470,

 1.9335, 0.1190,

248.2812, 385.3310

3.4688

365.0775,
298.7839, 454.4943

■ 0.5962, 0.0000,
1.3387

■ 0.0000, 0.0000,
0.0932

■ 63.9869, 42.2961,
84.9123

■ 63.9869, 42.2961,
84.9123

■ 60.6172, 36.3803,
81.2500

■ 68.1997, 49.8811,
88.9076

■ 58.0232, 31.9997,
77.8963

■ 73.3103, 59.2456,
93.2529

■ 56.1319, 29.0081,
74.8271

■ 79.3725, 70.4963,
97.9668

■ 54.8548, 27.2287,
72.0128

■ 86.4346, 83.7301,
103.0658

■ 54.0814, 26.3965,
69.5516

94.5418, 99.0373,
108.5652

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.



53.4899, 42.2961, 127.8334



63.9869, 42.2961, 84.9123



67.8082, 42.2961, 44.2064

Triad

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



63.9869, 42.2961, 84.9123



39.5510, 42.2961, 6.6291



23.6446, 42.2961, 89.8818

Complementary

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



63.9869, 42.2961, 84.9123



49.3996, 77.9699, 38.8339

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.



21.3355, 42.2961, 47.9508



63.9869, 42.2961, 84.9123



29.3186, 42.2961, 9.6822

Square

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



63.9869, 42.2961, 84.9123



52.1319, 42.2961, 9.0352



23.1887, 42.2961, 21.3356



30.2455, 42.2961, 131.5667

Rectangle

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



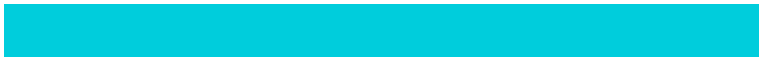
63.9869, 42.2961, 84.9123



65.5549, 42.2961, 25.8120



23.1887, 42.2961, 21.3356



22.4071, 42.2961, 74.8059

Sweetspot

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



63.9879, 42.2978, 84.9131



83.1909, 77.6379, 100.7665



36.8750, 28.0013, 98.0690



17.4899, 16.0250, 21.3389



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.



63.9879, 42.2978, 84.9131



60.4948, 36.1693, 81.1050



56.2740, 39.2123, 44.2924



18.6772, 18.2542, 22.1834



28.3007, 13.8096, 36.5634



2.7842, 1.3561, 3.7112

Inverse Universe

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



63.9879, 42.2978, 84.9131



60.4948, 36.1693, 81.1050



55.7137, 80.4955, 72.0835



18.6772, 18.2542, 22.1834



28.3007, 13.8096, 36.5634



2.7842, 1.3561, 3.7112

Previews

White Background



This preview shows how the XYZ color 63.9869, 42.2961, 84.9123 looks on a white background.

Color Contrast Check

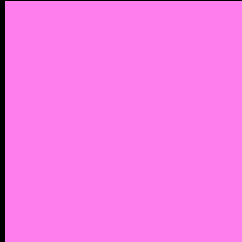
Large Text (above 18pt) WCAG AA × Fail

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 63.9869, 42.2961, 84.9123 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 63.9869, 42.2961, 84.9123

Background



This preview shows how black text looks on a background with the XYZ color 63.9869, 42.2961, 84.9123.



This preview shows how white text looks on a background with the XYZ color 63.9869, 42.2961,

84.9123.

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

63.9869, 42.2961, 84.9123

Protanopia

44.6566, 42.8360, 100.5223

Deuteranopia

43.4037, 42.3600, 80.0174



Tritanopia

54.1322, 42.2439, 36.7533

Trichromacy



Original Color

63.9869, 42.2961, 84.9123



Protanomaly

48.9143, 40.6591, 94.0769



Deuteranomaly

48.7925, 40.8710, 81.6612



Tritanomaly

56.9124, 41.8195, 50.9713

Monochromacy



Original Color

63.9869, 42.2961, 84.9123



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

47.7125, 41.5564, 59.5393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9869, 42.2961, 84.9123 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, 126, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 237)  
}
```

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, 126, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 237) }
```

Border

The CSS property to change the border of an element to XYZ 63.9869, 42.2961, 84.9123 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, 126, 237) }
```


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

```
.border{ border-color:rgb(255, 126, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9869, 42.2961, 84.9123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 237) }
```

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

```
.background{ background-color: rgb(255,  
126, 237) }
```

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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