

Converting Colors

XYZ(85.8068, 53.4888, 85.2290)

Have a look what the booklet for
XYZ(85.8068, 53.4888, 85.2290)
contains.

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Color

**XYZ(63.8412, 42.2378,
84.1448)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7EEC
RGB	255, 126, 236
RGB Percent	100%, 49%, 93%
CMY	0.0000, 0.5059, 0.0745
CMYK	0.00, 0.51, 0.07, 0.00
HSL	309°, 100%, 75%
HSV	309°, 51%, 100%
XYZ	63.8412, 42.2378, 84.1448
YIQ	177.1110, 41.5740, 61.5580

Conversions

Conversions Part 2

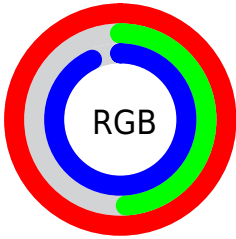
Format	Color
R _Y B	255, 126, 236
Decimal	16744172
CIE _{Lab}	71.03, 62.73, -33.48
CIE _{LCh}	71, 71.106, 331.915
Yxy	42.2378, 0.3356, 0.2220
Android (android.graphics.Color)	4294934252 (0xFFFF7EEC)
YUV	177.1110, 29.0323, 68.3087
Hunter-Lab	64.9906, 61.6095, -31.2707

Details

The XYZ color **63.8412, 42.2378, 84.1448** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.4764, 78.0006, 39.2383**, and the grayscale version is **41.6865, 43.8574, 47.7607**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **33.1313, 19.2873, 45.1566** is the 20% darker color. If you saturate the color by 10%, you get **60.4462, 36.3119, 80.3495**, and if you desaturate by 10%, it is **68.0803, 49.8333, 88.2792**.

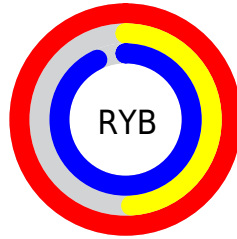
Distribution



Red (100%)

Green (49%)

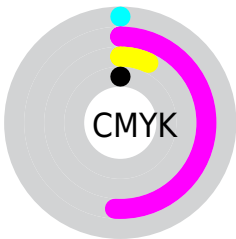
Blue (93%)



Red (100%)

Yellow (49%)

Blue (93%)

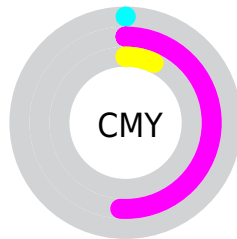


Cyan (0%)

Magenta (51%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8412, 42.2378, 84.1448 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 63.8412, 42.2378, 84.1448 by changing the saturation by 10% instead.


 63.8412, 42.2378,
84.1448


 63.8412, 42.2378,
84.1448


428.2273,
355.4678, 528.8646

 46.7833, 29.2875,
62.5889


 109.4572, 78.5594,
141.0412

 33.0716, 19.2984,
45.0699


 138.7460,
102.6995, 177.2189

 22.3408, 11.8861,
31.1691


 172.8425,
131.3384, 219.1075

 14.2255, 6.6662,
20.4681

212.1120,
164.8604, 267.1257

 8.3604, 3.2542,
12.5483

256.9198,
203.6500, 321.6919

 4.3802, 1.2659,
6.9912

307.6314,

 1.9194, 0.1145,

248.0914, 383.2248

3.3782

364.6121,
298.5692, 452.1428

■ 0.5881, 0.0000,
1.2909

■ 0.0000, 0.0000,
0.0543

■ 63.8412, 42.2378,
84.1448

■ 63.8412, 42.2378,
84.1448

■ 60.4462, 36.3119,
80.3495

■ 68.0803, 49.8333,
88.2792

■ 57.8281, 31.9216,
76.8689

■ 73.2186, 59.2088,
92.7697

■ 55.9138, 28.9209,
73.6788

■ 79.3095, 70.4710,
97.6351

■ 54.6149, 27.1328,
70.7494

■ 86.4015, 83.7168,
102.8919

■ 53.8219, 26.2928,
68.1854

94.5399, 99.0365,
108.5553

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.



53.4636, 42.2378, 126.7980



63.8412, 42.2378, 84.1448



67.5558, 42.2378, 43.8395

Triad

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



63.8412, 42.2378, 84.1448



39.3878, 42.2378, 6.7087



23.7191, 42.2378, 89.9332

Complementary

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



63.8412, 42.2378, 84.1448



49.4764, 78.0006, 39.2383

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.



21.3797, 42.2378, 48.2092



63.8412, 42.2378, 84.1448



29.2465, 42.2378, 9.8238

Square

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



63.8412, 42.2378, 84.1448



51.8802, 42.2378, 9.0636



23.1860, 42.2378, 21.5669



30.3293, 42.2378, 131.1422

Rectangle

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



63.8412, 42.2378, 84.1448



65.2664, 42.2378, 25.6500



23.1860, 42.2378, 21.5669



22.4733, 42.2378, 74.9604

Sweetspot

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



63.8421, 42.2395, 84.1456



83.1445, 77.6194, 100.5222



36.8750, 28.0013, 98.0690



17.4786, 16.0205, 21.2796



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.



63.8421, 42.2395, 84.1456



60.3228, 36.1005, 80.1992



56.2739, 39.2122, 44.2923



18.6709, 18.2517, 22.1499



28.1669, 13.7561, 35.8591



2.7725, 1.3514, 3.6493

Inverse Universe

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



63.8421, 42.2395, 84.1456



60.3228, 36.1005, 80.1992



55.7137, 80.4955, 72.0834



18.6709, 18.2517, 22.1499



28.1669, 13.7561, 35.8591



2.7725, 1.3514, 3.6493

Previews

White Background



This preview shows how the XYZ color 63.8412, 42.2378, 84.1448 looks on a white background.

Color Contrast Check

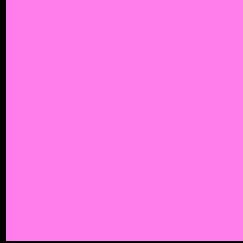
Large Text (above 18pt) WCAG AA × Fail

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 63.8412, 42.2378, 84.1448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

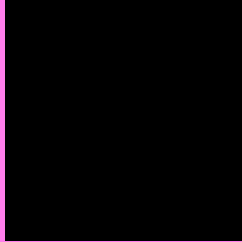
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8412, 42.2378, 84.1448

Background



This preview shows how black text looks on a background with the XYZ color 63.8412, 42.2378, 84.1448.



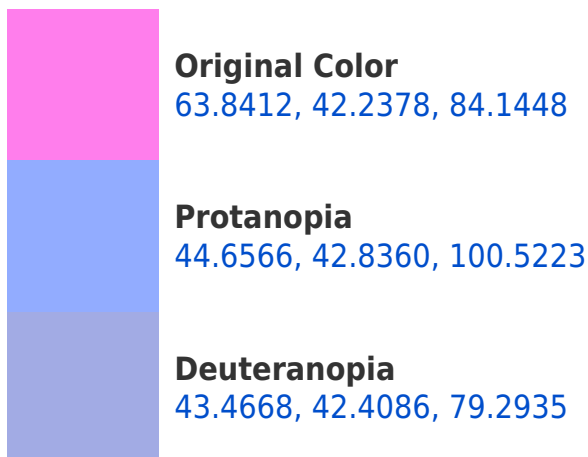
This preview shows how white text looks on a background with the XYZ color 63.8412, 42.2378,

84.1448.

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





Tritanopia

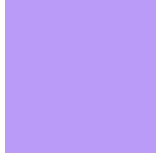
54.0478, 42.2102, 36.3091

Trichromacy



Original Color

63.8412, 42.2378, 84.1448



Protanomaly

48.9143, 40.6591, 94.0769



Deuteranomaly

48.9101, 40.9480, 80.9272



Tritanomaly

56.8071, 41.7774, 50.4172

Monochromacy



Original Color

63.8412, 42.2378, 84.1448



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

47.5967, 41.5101, 58.9297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8412, 42.2378, 84.1448 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.8412, 42.2378, 84.1448 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, 236) }
```


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

```
.border{ border-color:rgb(255, 126, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8412, 42.2378, 84.1448 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
126, 236) }
```

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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