

Converting Colors

XYZ(63.5261, 41.3897, 84.7121)

Have a look what the booklet for
XYZ(63.5261, 41.3897, 84.7121)
contains.

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Color

**XYZ(63.4856, 41.2935,
84.7451)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7AED
RGB	255, 122, 237
RGB Percent	100%, 48%, 93%
CMY	0.0000, 0.5215, 0.0706
CMYK	0.00, 0.52, 0.07, 0.00
HSL	308°, 100%, 74%
HSV	308°, 52%, 100%
XYZ	63.4856, 41.2935, 84.7451
YIQ	174.8770, 42.3530, 63.9610

Conversions

Conversions Part 2

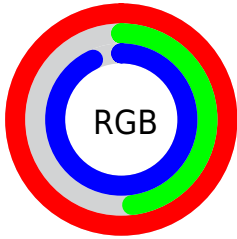
Format	Color
R _Y B	255, 122, 237
Decimal	16743149
CIE Lab	70.38, 64.74, -35.04
CIE LCh	70, 73.609, 331.576
Yxy	41.2935, 0.3350, 0.2179
Android (android.graphics.Color)	4294933229 (0xFFFF7AED)
YUV	174.8770, 30.6266, 70.2679
Hunter-Lab	64.2600, 63.8938, -33.2087

Details

The XYZ color **63.4856, 41.2935, 84.7451** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.5211, 77.5517, 37.2249**, and the grayscale version is **40.5167, 42.6267, 46.4205**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **32.9957, 18.8526, 45.6159** is the 20% darker color. If you saturate the color by 10%, you get **60.2559, 35.6331, 81.2050**, and if you desaturate by 10%, it is **67.5481, 48.6035, 88.6117**.

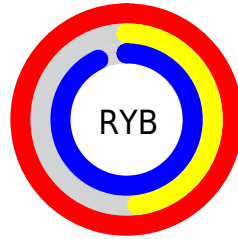
Distribution



Red (100%)

Green (48%)

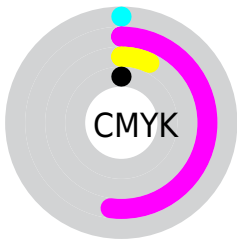
Blue (93%)



Red (100%)

Yellow (48%)

Blue (93%)

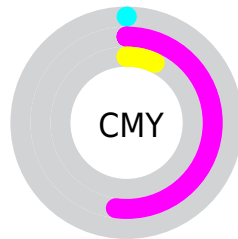


Cyan (0%)

Magenta (52%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4856, 41.2935, 84.7451 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 63.4856, 41.2935, 84.7451 by changing the saturation by 10% instead.


 63.4856, 41.2935,
84.7451


 63.4856, 41.2935,
84.7451


426.9614,
351.5458, 530.9068


 46.4943, 28.5485,
63.0818

 108.9477, 77.1292,
141.8880

 32.8423, 18.7395,
45.4660

 138.1491,
100.9888, 178.2047

 22.1643, 11.4822,
31.4790

 172.1514,
129.3219, 220.2430

 14.0950, 6.3922,
20.7024

211.3197,
162.5131, 268.4214

 8.2689, 3.0850,
12.7175

256.0195,
200.9466, 323.1584

 4.3207, 1.1763,
7.1059

306.6162,

 1.8851, 0.0422,

245.0070, 384.8726

3.4489

363.4750,
295.0786, 453.9826

■ 0.5682, 0.0000,
1.3282

■ 0.0000, 0.0000,
0.0847

■ 63.4856, 41.2935,
84.7451

■ 63.4856, 41.2935,
84.7451

■ 60.2559, 35.6331,
81.2050

■ 67.5481, 48.6035,
88.6117

■ 57.7904, 31.4860,
77.9668

■ 72.4993, 57.6755,
92.8221

■ 56.0143, 28.7023,
75.0058

■ 78.3933, 68.6175,
97.3952

■ 54.8360, 27.0988,
72.2910

■ 85.2794, 81.5277,
102.3477

■ 54.2230, 26.4532,
70.2978

■ 93.2030, 96.4972,
107.6950

■ 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.



52.7426, 41.2935, 129.0296



63.4856, 41.2935, 84.7451



67.4188, 41.2935, 43.1530

Triad

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



63.4856, 41.2935, 84.7451



38.6115, 41.2935, 5.8229



22.5693, 41.2935, 89.6836

Complementary

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



63.4856, 41.2935, 84.7451



48.5211, 77.5517, 37.2249

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.



20.2747, 41.2935, 46.8201



63.4856, 41.2935, 84.7451



28.2775, 41.2935, 8.7240

Square

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



63.4856, 41.2935, 84.7451



51.4038, 41.2935, 8.1238



22.1295, 41.2935, 20.1088



29.1781, 41.2935, 132.7677

Rectangle

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



63.4856, 41.2935, 84.7451



65.1187, 41.2935, 24.6319



22.1295, 41.2935, 20.1088



21.3372, 41.2935, 74.2027

Sweetspot

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



63.4865, 41.2952, 84.7459



82.5108, 76.3239, 100.3972



35.7817, 26.6935, 97.8742



17.3568, 15.7667, 21.2707



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.



63.4865, 41.2952, 84.7459



60.0187, 35.2257, 80.9198



55.5292, 38.1122, 42.8434



18.6807, 18.2556, 22.2015



28.3737, 13.8388, 36.9480



2.7906, 1.3586, 3.7449

Inverse Universe

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



63.4865, 41.2952, 84.7459



60.0187, 35.2257, 80.9198



54.9562, 80.1258, 71.1121



18.6807, 18.2556, 22.2015



28.3737, 13.8388, 36.9480



2.7906, 1.3586, 3.7449

Previews

White Background



This preview shows how the XYZ color 63.4856, 41.2935, 84.7451 looks on a white background.

Color Contrast Check

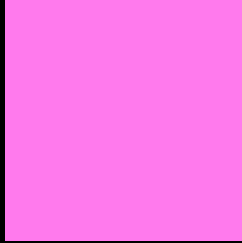
Large Text (above 18pt) WCAG AA × Fail

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 63.4856, 41.2935, 84.7451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

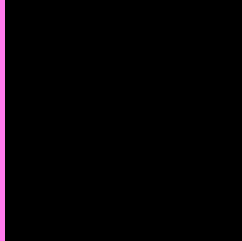
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4856, 41.2935, 84.7451

Background



This preview shows how black text looks on a background with the XYZ color 63.4856, 41.2935, 84.7451.



This preview shows how white text looks on a background with the XYZ color 63.4856, 41.2935,

84.7451.

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

63.4856, 41.2935, 84.7451

Protanopia

43.7524, 41.8091, 100.3717

Deuteranopia

42.6181, 41.6757, 79.9267



Tritanopia

53.0790, 41.0584, 35.2645

Trichromacy



Original Color

63.4856, 41.2935, 84.7451



Protanomaly

48.1017, 39.7501, 93.9442



Deuteranomaly

47.9490, 39.9461, 81.5271



Tritanomaly

56.3826, 40.9284, 50.2757

Monochromacy



Original Color

63.4856, 41.2935, 84.7451



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

46.9833, 40.6915, 58.8040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4856, 41.2935, 84.7451 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, 122, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 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, 122, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 237) }
```

Border

The CSS property to change the border of an element to XYZ 63.4856, 41.2935, 84.7451 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, 122, 237) }
```


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

```
.border{ border-color:rgb(255, 122, 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, 122, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4856, 41.2935, 84.7451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 237) }
```

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

```
.background{ background-color: rgb(255,  
122, 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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