

Converting Colors

XYZ(63.1355, 47.7300, 81.1648)

Have a look what the booklet for
XYZ(63.1355, 47.7300, 81.1648)
contains.

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Color

**XYZ(63.1233, 47.7851,
81.4978)**

Conversions

Conversions Part 1

Format	Color
Hex	F499E7
RGB	244, 153, 231
RGB Percent	96%, 60%, 91%
CMY	0.0431, 0.4000, 0.0941
CMYK	0.00, 0.37, 0.05, 0.04
HSL	309°, 81%, 78%
HSV	309°, 37%, 96%
XYZ	63.1233, 47.7851, 81.4978
YIQ	189.1010, 29.1980, 43.5500

Conversions

Conversions Part 2

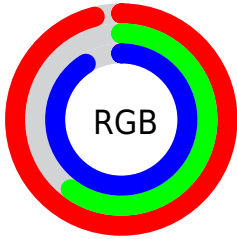
Format	Color
R_{YB}	244, 153, 231
Decimal	16030183
CIE _{Lab}	74.69, 45.33, -25.23
CIE _{LCh}	75, 51.881, 330.903
Yxy	47.7851, 0.3281, 0.2484
Android (android.graphics.Color)	4294220263 (0xFFFF499E7)
YUV	189.1010, 20.6562, 48.1464
Hunter-Lab	69.1268, 42.0259, -21.5119

Details

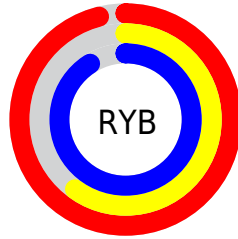
The XYZ color **63.1233, 47.7851, 81.4978** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.3726, 74.2285, 47.6466**, and the grayscale version is **48.3028, 50.8183, 55.3411**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **32.5447, 22.6486, 43.2138** is the 20% darker color. If you saturate the color by 10%, you get **59.0434, 40.4047, 77.7331**, and if you desaturate by 10%, it is **68.0325, 56.8067, 85.5883**.

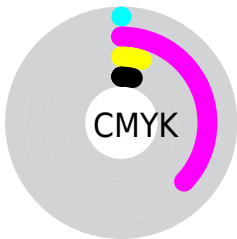
Distribution



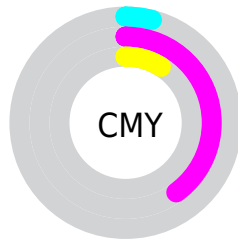
- Red (96%)
- Green (60%)
- Blue (91%)



- Red (96%)
- Yellow (60%)
- Blue (91%)



- Cyan (0%)
- Magenta (37%)
- Yellow (5%)
- Black (4%)





- Cyan (4%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1233, 47.7851, 81.4978 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 63.1233, 47.7851, 81.4978 by changing the saturation by 10% instead.


 63.1233, 47.7851,
81.4978

 63.1233, 47.7851,
81.4978


425.6694,
377.9397, 519.8056

 46.2000, 33.6567,
60.4183

 108.4282, 86.8844,
137.2999

 32.6090, 22.6300,
43.3284


 137.5405,
112.6240, 172.8595

 21.9848, 14.3206,
29.8095


171.4465,
143.0029, 214.0829

 13.9623, 8.3440,
19.4432

210.5115,
178.4055, 261.3886

 8.1760, 4.3158,
11.8109

255.1010,
219.2160, 315.1952

 4.2605, 1.8517,
6.4941

305.5802,

 1.8505, 0.5191,

265.8190, 375.9212

3.0742

362.3146,
318.5987, 443.9852

■ 0.5478, 0.0000,
1.1326

■ 0.0000, 0.0000,
0.0000

■ 63.1233, 47.7851,
81.4978

■ 63.1233, 47.7851,
81.4978

■ 59.0434, 40.4047,
77.7331

■ 68.0325, 56.8067,
85.5883

■ 55.7382, 34.5588,
74.2743

■ 73.8124, 67.5549,
90.0172

■ 53.1534, 30.1383,
71.1035

■ 80.5070, 80.1166,
94.7999

■ 51.2260, 27.0171,
68.1993

■ 88.1561, 94.5712,
99.9500

■ 49.8817, 25.0467,
65.5367

■ 90.0790, 97.5575,
103.2408

■ 49.0238, 24.0341,
63.0833

■ 90.6263, 97.7764,
106.1228

■ 48.8348, 23.8438,
62.4416

■ 91.1187, 97.9733,
108.7160

Harmonies

Analogous

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



55.3533, 47.7851, 110.3209



63.1233, 47.7851, 81.4978



66.0056, 47.7851, 51.2181

Triad

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



63.1233, 47.7851, 81.4978



45.1340, 47.7851, 15.5256



31.6016, 47.7851, 83.4189

Complementary

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



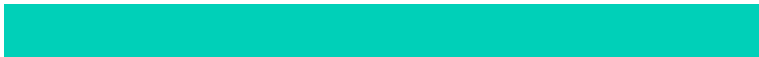
63.1233, 47.7851, 81.4978



52.3726, 74.2285, 47.6466

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.



29.6300, 47.7851, 52.8501



63.1233, 47.7851, 81.4978



36.7494, 47.7851, 19.0422

Square

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



63.1233, 47.7851, 81.4978



54.7922, 47.7851, 18.6278



31.3784, 47.7851, 30.6895



37.1796, 47.7851, 111.6731

Rectangle

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



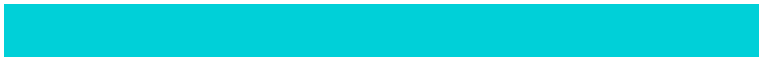
63.1233, 47.7851, 81.4978



64.4932, 47.7851, 35.6529



31.3784, 47.7851, 30.6895



30.5326, 47.7851, 72.7817

Sweetspot

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



63.1248, 47.7873, 81.4988



86.1068, 83.1354, 102.7690



43.2674, 37.3303, 90.5141



18.2134, 17.3871, 21.8423



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.



63.1248, 47.7873, 81.4988



66.1764, 46.2980, 86.8048



57.6033, 45.5786, 52.4228



17.1058, 16.7252, 20.3039



26.5924, 12.9804, 34.1578



2.3645, 1.1518, 3.1460

Inverse Universe

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



63.1248, 47.7873, 81.4988



66.1764, 46.2980, 86.8048



57.2014, 76.1600, 73.0748



17.1058, 16.7252, 20.3039



26.5924, 12.9804, 34.1578



2.3645, 1.1518, 3.1460

Previews

White Background



This preview shows how the XYZ color 63.1233, 47.7851, 81.4978 looks on a white background.

Color Contrast Check

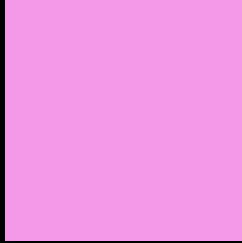
Large Text (above 18pt) WCAG AA × Fail

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 63.1233, 47.7851, 81.4978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

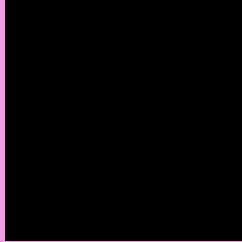
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1233, 47.7851, 81.4978

Background



This preview shows how black text looks on a background with the XYZ color 63.1233, 47.7851, 81.4978.



This preview shows how white text looks on a background with the XYZ color 63.1233, 47.7851,

81.4978.

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

63.1233, 47.7851, 81.4978

Protanopia

49.6085, 48.3767, 98.8184

Deuteranopia

49.1048, 47.9573, 78.6201



Tritanopia

56.0370, 47.6900, 47.3259

Trichromacy



Original Color

63.1233, 47.7851, 81.4978



Protanomaly

52.8844, 46.9949, 91.8716



Deuteranomaly

53.2802, 47.1883, 79.6989



Tritanomaly

58.4698, 47.6524, 58.3407

Monochromacy



Original Color

63.1233, 47.7851, 81.4978



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

52.7189, 48.9656, 63.7995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1233, 47.7851, 81.4978 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(244, 153, 231)` looks like.

```
.text, #text, p{  
    color:rgb(244, 153, 231)  
}
```

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(244, 153, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 153, 231) }
```

Border

The CSS property to change the border of an element to XYZ 63.1233, 47.7851, 81.4978 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(244, 153, 231) }
```


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

```
.border{ border-color:rgb(244, 153, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 153, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 153, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 153, 231);  
box-shadow:4px 4px 4px 4px rgb(244, 153,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1233, 47.7851, 81.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 153, 231) }
```

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

```
.background{ background-color: rgb(244,  
153, 231) }
```

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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