

Converting Colors

XYZ(63.4594, 51.3690, 75.5724)

Have a look what the booklet for
XYZ(63.4594, 51.3690, 75.5724)
contains.

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Color

**XYZ(63.4390, 51.4236,
75.6894)**

Conversions

Conversions Part 1

Format	Color
Hex	F2A6DE
RGB	242, 166, 222
RGB Percent	95%, 65%, 87%
CMY	0.0510, 0.3490, 0.1294
CMYK	0.00, 0.31, 0.08, 0.05
HSL	316°, 75%, 80%
HSV	316°, 31%, 95%
XYZ	63.4390, 51.4236, 75.6894
YIQ	195.1080, 27.3200, 33.5280

Conversions

Conversions Part 2

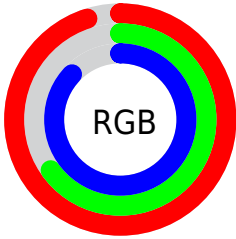
Format	Color
R _Y B	242, 166, 222
Decimal	15902430
CIE Lab	76.93, 36.38, -16.94
CIE LCh	77, 40.129, 335.035
Yxy	51.4236, 0.3329, 0.2699
Android (android.graphics.Color)	4294092510 (0xFFFF2A6DE)
YUV	195.1080, 13.2578, 41.1243
Hunter-Lab	71.7103, 32.4184, -12.3828

Details

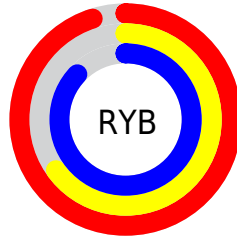
The XYZ color **63.4390, 51.4236, 75.6894** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.3431, 75.1580, 57.9950**, and the grayscale version is **51.8495, 54.5498, 59.4047**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **32.8878, 24.9146, 39.6348** is the 20% darker color. If you saturate the color by 10%, you get **58.6096, 43.1045, 69.9476**, and if you desaturate by 10%, it is **69.1314, 61.4156, 81.8791**.

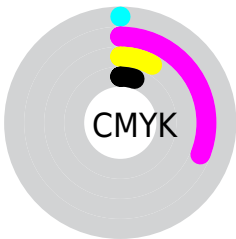
Distribution



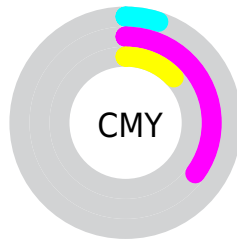
- Red (95%)
- Green (65%)
- Blue (87%)



- Red (95%)
- Yellow (65%)
- Blue (87%)



- Cyan (0%)
- Magenta (31%)
- Yellow (8%)
- Black (5%)





- Cyan (5%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4390, 51.4236, 75.6894 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 63.4390, 51.4236, 75.6894 by changing the saturation by 10% instead.


 63.4390, 51.4236,
75.6894

 63.4390, 51.4236,
75.6894


426.7953,
392.2073, 499.6023

 46.4564, 36.5458,
55.6727

 108.8809, 92.2806,
129.0438

 32.8123, 24.8561,
39.5384


 138.0709,
119.0287, 163.2186

 22.1412, 15.9698,
26.8677


172.0607,
150.5023, 202.9499

 14.0779, 9.5028,
17.2424


211.2158,
187.0858, 248.6562

 8.2569, 5.0706,
10.2437

255.9015,
229.1637, 300.7561

 4.3130, 2.2887,
5.4531

306.4830,

 1.8807, 0.7677,

277.1203, 359.6680

2.4521

363.3259,
331.3401, 425.8106

■ 0.5656, 0.0000,
0.8146

■ 0.0000, 0.0000,
0.0000

■ 63.4390, 51.4236,
75.6894

■ 63.4390, 51.4236,
75.6894

■ 58.6096, 43.1045,
69.9476

■ 69.1314, 61.4156,
81.8791

■ 54.5917, 36.3581,
64.6331

■ 75.7255, 73.1594,
88.5296

■ 51.3353, 31.0843,
59.7281

■ 83.2629, 86.7373,
95.6570

■ 48.7829, 27.1685,
55.2116

■ 89.2405, 97.1423,
102.4286

■ 46.8683, 24.4792,
51.0597

■ 90.2430, 97.5433,
107.7076

■ 45.5124, 22.8584,
47.2442

■ 90.4284, 97.6175,
108.6837

■ 44.6857, 22.1044,
44.1955

Harmonies

Analogous

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



57.8035, 51.4236, 97.9826



63.4390, 51.4236, 75.6894



65.0174, 51.4236, 52.3798

Triad

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



63.4390, 51.4236, 75.6894



47.5986, 51.4236, 23.6711



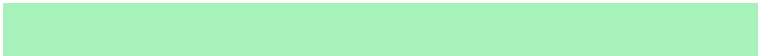
37.8090, 51.4236, 83.7805

Complementary

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



63.4390, 51.4236, 75.6894



56.3431, 75.1580, 57.9950

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.



35.6560, 51.4236, 59.7657



63.4390, 51.4236, 75.6894



40.9196, 51.4236, 28.1271

Square

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



63.4390, 51.4236, 75.6894



55.3419, 51.4236, 25.8577



36.7329, 51.4236, 40.0471



42.9355, 51.4236, 103.4429

Rectangle

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



63.4390, 51.4236, 75.6894



63.4299, 51.4236, 40.0094



36.7329, 51.4236, 40.0471



36.7392, 51.4236, 75.7471

Sweetspot

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



63.4406, 51.4259, 75.6905



87.2034, 85.8384, 101.5623



49.6731, 44.0002, 89.8802



18.4113, 17.9174, 21.4935



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.



63.4406, 51.4259, 75.6905



67.6965, 51.4329, 80.8536



59.0130, 49.6549, 52.3755



16.2663, 15.9562, 18.9585



24.0645, 11.8982, 24.0538



2.0426, 1.0061, 2.2152

Inverse Universe

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



63.4406, 51.4259, 75.6905



67.6965, 51.4329, 80.8536



60.7992, 76.9404, 81.4602



16.2663, 15.9562, 18.9585



24.0645, 11.8982, 24.0538



2.0426, 1.0061, 2.2152

Previews

White Background



This preview shows how the XYZ color 63.4390, 51.4236, 75.6894 looks on a white background.

Color Contrast Check

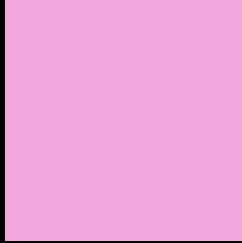
Large Text (above 18pt) WCAG AA × Fail

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 63.4390, 51.4236, 75.6894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

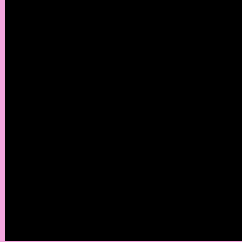
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4390, 51.4236, 75.6894

Background



This preview shows how black text looks on a background with the XYZ color 63.4390, 51.4236, 75.6894.



This preview shows how white text looks on a background with the XYZ color 63.4390, 51.4236,

75.6894.

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

63.4390, 51.4236, 75.6894

Protanopia

51.8597, 51.6646, 87.3597

Deuteranopia

52.7195, 51.7819, 73.5460



Tritanopia

59.0664, 51.6095, 53.3029

Trichromacy



Original Color

63.4390, 51.4236, 75.6894



Protanomaly

55.2439, 51.0253, 83.2811



Deuteranomaly

56.0577, 51.3517, 73.9751



Tritanomaly

60.2801, 51.2237, 60.7429

Monochromacy



Original Color

63.4390, 51.4236, 75.6894



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

55.3113, 52.6858, 65.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4390, 51.4236, 75.6894 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(242, 166, 222)` looks like.

```
.text, #text, p{  
    color:rgb(242, 166, 222)  
}
```

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(242, 166, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 166, 222) }
```

Border

The CSS property to change the border of an element to XYZ 63.4390, 51.4236, 75.6894 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(242, 166, 222) }
```


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

```
.border{ border-color:rgb(242, 166, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 166, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 166, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 166, 222);  
box-shadow:4px 4px 4px 4px rgb(242, 166,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4390, 51.4236, 75.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 166, 222) }
```

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

```
.background{ background-color: rgb(242,  
166, 222) }
```

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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