

# Converting Colors

XYZ(66.0794, 51.9889, 87.7954)

Have a look what the booklet for  
XYZ(66.0794, 51.9889, 87.7954)  
contains.

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# Color

**XYZ(66.0163, 51.9571,  
87.4382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4A4EE
RGB	244, 164, 238
RGB Percent	96%, 64%, 93%
CMY	0.0431, 0.3568, 0.0667
CMYK	0.00, 0.33, 0.02, 0.04
HSL	305°, 78%, 80%
HSV	305°, 33%, 96%
XYZ	66.0163, 51.9571, 87.4382
YIQ	196.3560, 23.9260, 39.9740

# Conversions

## Conversions Part 2

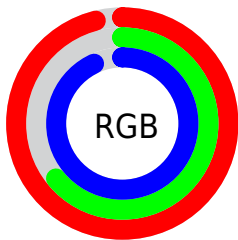
Format	Color
R <sub>Y</sub> B	244, 164, 238
Decimal	16033006
CIE Lab	77.26, 40.84, -25.11
CIE LCh	77, 47.942, 328.410
Yxy	51.9571, 0.3214, 0.2529
Android (android.graphics.Color)	4294223086 (0xFFFF4A4EE)
YUV	196.3560, 20.5305, 41.7838
Hunter-Lab	72.0813, 37.3386, -21.4649

# Details

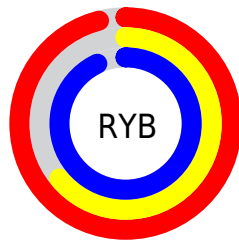
The XYZ color **66.0163, 51.9571, 87.4382** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.9184, 75.4978, 49.7113**, and the grayscale version is **52.5550, 55.2919, 60.2129**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **34.6215, 25.3111, 47.3167** is the 20% darker color. If you saturate the color by 10%, you get **61.7944, 43.9405, 84.7114**, and if you desaturate by 10%, it is **71.0819, 61.6547, 90.4608**.

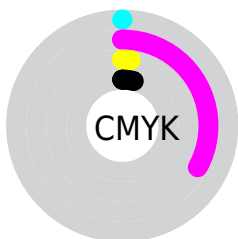
# Distribution



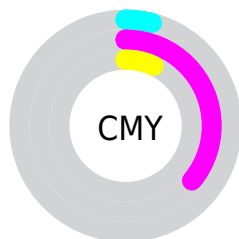
- Red (96%)
- Green (64%)
- Blue (93%)



- Red (96%)
- Yellow (64%)
- Blue (93%)



- Cyan (0%)
- Magenta (33%)
- Yellow (2%)
- Black (4%)




- Cyan (4%)
- Magenta (36%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0163, 51.9571, 87.4382 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 66.0163, 51.9571, 87.4382 by changing the saturation by 10% instead.




 66.0163, 51.9571,  
87.4382


 66.0163, 51.9571,  
87.4382


435.9229,  
394.2710, 540.0153

 48.5534, 36.9709,  
65.2962


 112.5673, 93.0680,  
145.6790

 34.4784, 25.1849,  
47.2484


 142.3862,  
119.9614, 182.6149

 23.4260, 16.2149,  
32.8763


177.0543,  
151.5927, 225.3192

 15.0308, 9.6763,  
21.7614

216.9372,  
188.3463, 274.2104

 8.9275, 5.1849,  
13.4850

262.4002,  
230.6065, 329.7071

 4.7506, 2.3562,  
7.6288

313.8085,

 2.1349, 0.8032,

278.7577, 392.2277

3.7740

371.5276,  
333.1844, 462.1910

■ 0.7081, 0.0000,  
1.5022

■ 0.0000, 0.0000,  
0.2196

■ 66.0163, 51.9571,  
87.4382

■ 66.0163, 51.9571,  
87.4382

■ 61.7944, 43.9405,  
84.7114

■ 71.0819, 61.6547,  
90.4608

■ 58.3632, 37.5018,  
82.2611

■ 77.0304, 73.1148,  
93.7907

■ 55.6713, 32.5375,  
80.0706

■ 83.9046, 86.4220,  
97.4427

■ 53.6593, 28.9287,  
78.1202

■ 89.5993, 97.3656,  
100.7151

52.2587, 26.5384,  
76.3869

89.8807, 97.4781,  
102.1968

51.3865, 25.2004,  
74.8430

90.1648, 97.5918,  
103.6930

50.9949, 24.7078,  
73.8165

90.4518, 97.7066,  
105.2039

90.7415, 97.8225,  
106.7295

91.0340, 97.9395,  
108.2699

# Harmonies

## Analogous

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



58.2767, 51.9571, 113.7781



66.0163, 51.9571, 87.4382



69.2365, 51.9571, 57.9886

# Triad

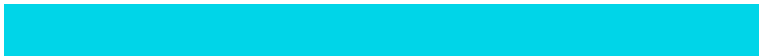
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0163, 51.9571, 87.4382



49.8757, 51.9571, 19.5660



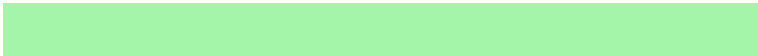
35.4151, 51.9571, 84.2265

# Complementary

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



66.0163, 51.9571, 87.4382



54.9184, 75.4978, 49.7113

# 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.



33.7426, 51.9571, 55.1796



66.0163, 51.9571, 87.4382



41.4448, 51.9571, 22.7145

# Square

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



66.0163, 51.9571, 87.4382



59.2304, 51.9571, 23.4875



35.8094, 51.9571, 33.9881



40.6936, 51.9571, 111.5550



# Rectangle

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



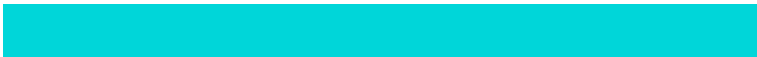
66.0163, 51.9571, 87.4382



68.1183, 51.9571, 42.0484



35.8094, 51.9571, 33.9881



34.4436, 51.9571, 74.1064

# Sweetspot

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



66.0179, 51.9594, 87.4393



87.1414, 84.6731, 104.7521



46.0408, 41.5572, 91.1838



18.4320, 17.6985, 22.3028



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.



66.0179, 51.9594, 87.4393



69.9251, 51.6350, 94.7146



60.8558, 49.8945, 60.2556



17.1568, 16.7456, 20.5724



27.7505, 13.4436, 40.2562



2.4547, 1.1879, 3.6209



# Inverse Universe

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



66.0179, 51.9594, 87.4393



69.9251, 51.6350, 94.7146



59.2125, 77.2155, 72.3236



17.1568, 16.7456, 20.5724



27.7505, 13.4436, 40.2562



2.4547, 1.1879, 3.6209



# Previews

## White Background



This preview shows how the XYZ color 66.0163, 51.9571, 87.4382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

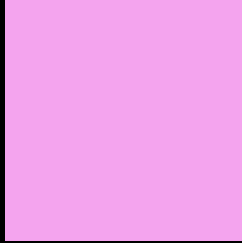
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.0163, 51.9571, 87.4382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

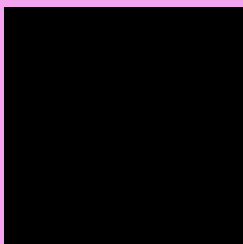
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.0163, 51.9571, 87.4382**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.0163, 51.9571, 87.4382.



This preview shows how white text looks on a background with the XYZ color 66.0163, 51.9571,

87.4382.

# 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

66.0163, 51.9571, 87.4382

### Protanopia

53.4812, 52.4994, 101.9224

### Deuteranopia

53.3606, 52.1725, 85.0998



## Tritanopia

59.0307, 51.8645, 53.9133

# Trichromacy



## Original Color

66.0163, 51.9571, 87.4382



## Protanomaly

56.9733, 51.6242, 96.5842



## Deuteranomaly

57.1279, 51.6483, 85.5554



## Tritanomaly

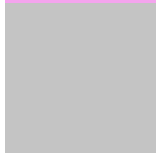
61.4505, 51.7309, 65.1388

# Monochromacy



## Original Color

66.0163, 51.9571, 87.4382



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

56.3389, 53.1303, 68.9138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.0163, 51.9571, 87.4382 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, 164, 238)` looks like.

```
.text, #text, p{  
    color:rgb(244, 164, 238)  
}
```

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, 164, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 164, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 66.0163, 51.9571, 87.4382 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, 164, 238) }
```



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

```
.border{ border-color:rgb(244, 164, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 164, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 164, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 164, 238);  
box-shadow:4px 4px 4px 4px rgb(244, 164,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.0163, 51.9571, 87.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 164, 238) }
```

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

```
.background{ background-color: rgb(244,  
164, 238) }
```

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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