

# Converting Colors

XYZ(66.1771, 48.1536, 81.0889)

Have a look what the booklet for  
XYZ(66.1771, 48.1536, 81.0889)  
contains.

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# Color

**XYZ(66.2537, 48.2093,  
81.4147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF94E7
RGB	255, 148, 231
RGB Percent	100%, 58%, 91%
CMY	0.0000, 0.4196, 0.0941
CMYK	0.00, 0.42, 0.09, 0.00
HSL	313°, 100%, 79%
HSV	313°, 42%, 100%
XYZ	66.2537, 48.2093, 81.4147
YIQ	189.4550, 37.1290, 48.4970

# Conversions

## Conversions Part 2

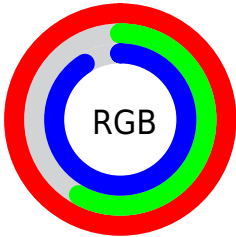
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 148, 231
Decimal	16749799
CIE Lab	74.96, 51.28, -24.71
CIE LCh	75, 56.917, 334.274
Yxy	48.2093, 0.3382, 0.2461
Android (android.graphics.Color)	4294939879 (0xFFFF94E7)
YUV	189.4550, 20.4817, 57.4830
Hunter-Lab	69.4329, 48.8192, -20.9184

# Details

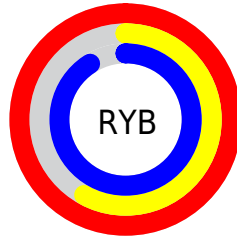
The XYZ color **66.2537, 48.2093, 81.4147** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.4207, 80.7952, 51.7064**, and the grayscale version is **48.5029, 51.0288, 55.5704**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **34.5055, 22.8363, 43.1466** is the 20% darker color. If you saturate the color by 10%, you get **61.8908, 40.7553, 76.0400**, and if you desaturate by 10%, it is **71.5261, 57.4397, 87.2241**.

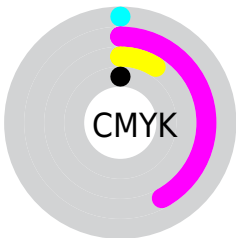
# Distribution



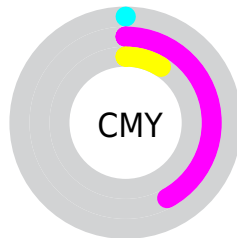
- Red (100%)
- Green (58%)
- Blue (91%)



- Red (100%)
- Yellow (58%)
- Blue (91%)



- Cyan (0%)
- Magenta (42%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2537, 48.2093, 81.4147 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 66.2537, 48.2093, 81.4147 by changing the saturation by 10% instead.





 66.2537, 48.2093,  
81.4147


 66.2537, 48.2093,  
81.4147


436.7580,  
379.6211, 519.5197

 48.7468, 33.9927,  
60.3502


 112.9061, 87.5159,  
137.1822

 34.6324, 22.8880,  
43.2738


 142.7823,  
113.3748, 172.7223

 23.5450, 14.5108,  
29.7670


177.5124,  
143.8831, 213.9247

 15.1194, 8.4768,  
19.4113

217.4617,  
179.4253, 261.2079

 8.9901, 4.4015,  
11.7880

262.9956,  
220.3858, 314.9905

 4.7918, 1.9006,  
6.4787

314.4793,

 2.1591, 0.5487,

267.1490, 375.6909

3.0648

372.2784,  
320.0993, 443.7278

■ 0.7210, 0.0000,  
1.1278

■ 0.0000, 0.0000,  
0.0000

■ 66.2537, 48.2093,  
81.4147

■ 66.2537, 48.2093,  
81.4147

■ 61.8908, 40.7553,  
76.0400

■ 71.5261, 57.4397,  
87.2241

■ 58.3755, 34.9546,  
71.0762

■ 77.7581, 68.5470,  
93.4842

■ 55.6429, 30.6781,  
66.5011

■ 85.0000, 81.6310,  
100.2136

■ 53.6174, 27.7745,  
62.2883

■ 93.2977, 96.7831,  
107.4288

■ 52.2075, 26.0617,  
58.4059

95.0500, 100.0000,  
108.9000

■ 51.4103, 25.3281,  
55.4860

# Harmonies

## Analogous

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



58.0037, 48.2093, 115.3027



66.2537, 48.2093, 81.4147



68.7427, 48.2093, 48.3469

# Triad

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



66.2537, 48.2093, 81.4147



44.3504, 48.2093, 13.6362



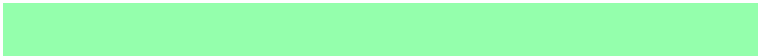
31.2295, 48.2093, 91.7043

# Complementary

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



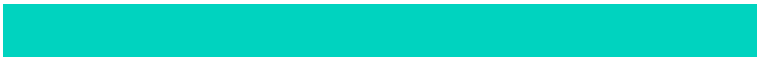
66.2537, 48.2093, 81.4147



55.4207, 80.7952, 51.7064

# 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.



28.6625, 48.2093, 56.8669



66.2537, 48.2093, 81.4147



35.4768, 48.2093, 18.0109

# Square

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



66.2537, 48.2093, 81.4147



55.0415, 48.2093, 16.0031



30.0919, 48.2093, 31.3858



37.6933, 48.2093, 122.6503



# Rectangle

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



66.2537, 48.2093, 81.4147



66.5276, 48.2093, 32.3274



30.0919, 48.2093, 31.3858



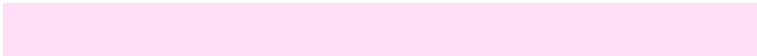
29.9306, 48.2093, 79.6673

# Sweetspot

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



66.2548, 48.2113, 81.4157



84.1972, 80.1732, 99.4903



45.4765, 37.0808, 99.3682



17.6656, 16.5149, 20.9706



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.



66.2548, 48.2113, 81.4157



62.6767, 42.0813, 77.0596



59.8990, 45.6690, 47.9467



18.6080, 18.2265, 21.8190



26.9220, 13.2581, 29.3034



2.6621, 1.3072, 3.0679



# Inverse Universe

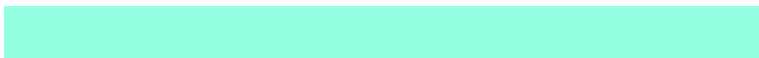
The Inverse Universe completely reimagines the original color for something new.



66.2548, 48.2113, 81.4157



62.6767, 42.0813, 77.0596



61.5215, 83.2355, 83.8327



18.6080, 18.2265, 21.8190



26.9220, 13.2581, 29.3034



2.6621, 1.3072, 3.0679



# Previews

## White Background



This preview shows how the XYZ color 66.2537, 48.2093, 81.4147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

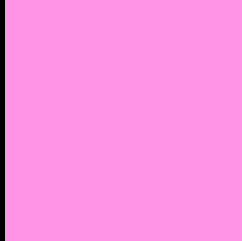
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.2537, 48.2093, 81.4147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

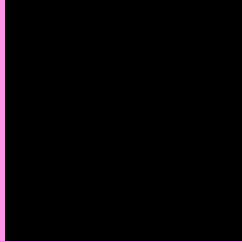
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.2537, 48.2093, 81.4147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.2537, 48.2093, 81.4147.



This preview shows how white text looks on a background with the XYZ color 66.2537, 48.2093,

81.4147.

# 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

66.2537, 48.2093, 81.4147

### Protanopia

49.8822, 48.4624, 101.3329

### Deuteranopia

49.6429, 48.5513, 77.9890



## Tritanopia

58.7286, 48.0766, 45.2141

# Trichromacy



## Original Color

66.2537, 48.2093, 81.4147



## Protanomaly

53.7742, 47.1390, 93.4533



## Deuteranomaly

54.3476, 47.4773, 78.9727



## Tritanomaly

61.2978, 48.1364, 56.5126

# Monochromacy



## Original Color

66.2537, 48.2093, 81.4147



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

53.4757, 48.7779, 63.7233

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.2537, 48.2093, 81.4147 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, 148, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 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(255, 148, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 66.2537, 48.2093, 81.4147 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, 148, 231) }
```



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

```
.border{ border-color:rgb(255, 148, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.2537, 48.2093, 81.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 231) }
```

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

```
.background{ background-color: rgb(255,  
148, 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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