

# Converting Colors

XYZ(63.5238, 44.9457, 73.7339)

Have a look what the booklet for  
XYZ(63.5238, 44.9457, 73.7339)  
contains.

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# Color

**XYZ(63.5238, 44.9457,  
73.7339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8BDD
RGB	255, 139, 221
RGB Percent	100%, 55%, 87%
CMY	0.0000, 0.4549, 0.1333
CMYK	0.00, 0.45, 0.13, 0.00
HSL	318°, 100%, 77%
HSV	318°, 45%, 100%
XYZ	63.5238, 44.9457, 73.7339
YIQ	183.0320, 42.8140, 50.0940

# Conversions

## Conversions Part 2

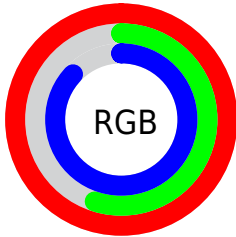
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 139, 221</a>
Decimal	<a href="#">16747485</a>
CIELab	<a href="#">72.86, 54.16, -22.43</a>
CIELCh	<a href="#">73, 58.616, 337.502</a>
Yxy	<a href="#">44.9457, 0.3486, 0.2467</a>
Android (android.graphics.Color)	<a href="#">4294937565 (0xFFFF8BDD)</a>
YUV	<a href="#">183.0320, 18.7182, 63.1159</a>
Hunter-Lab	<a href="#">67.0416, 51.8112, -18.2795</a>

# Details

The XYZ color **63.5238, 44.9457, 73.7339** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.9519, 80.0269, 52.1412**, and the grayscale version is **44.9127, 47.2516, 51.4570**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **32.8964, 20.9859, 38.3933** is the 20% darker color. If you saturate the color by 10%, you get **59.2790, 38.0145, 67.5148**, and if you desaturate by 10%, it is **68.6759, 53.6204, 80.4753**.

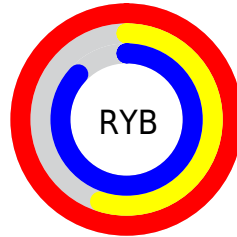
# Distribution



Red (100%)

Green (55%)

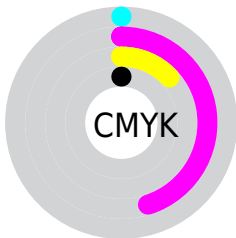
Blue (87%)



Red (100%)

Yellow (55%)

Blue (87%)

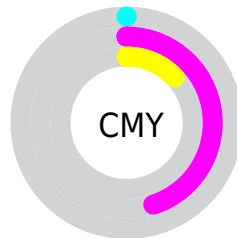


Cyan (0%)

Magenta (45%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5238, 44.9457, 73.7339 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 63.5238, 44.9457, 73.7339 by changing the saturation by 10% instead.




 63.5238, 44.9457,  
73.7339


 63.5238, 44.9457,  
73.7339


427.0975,  
366.5536, 492.6933


 46.5253, 31.4147,  
54.0808

 109.0024, 82.6389,  
126.2491

 32.8669, 20.9148,  
38.2726


 138.2133,  
107.5699, 159.9482

 22.1833, 13.0617,  
25.8909

 172.2256,  
137.0696, 199.1665

 14.1090, 7.4711,  
16.5170

211.4049,  
171.5225, 244.3224

 8.2787, 3.7584,  
9.7324

256.1163,  
211.3130, 295.8345

 4.3271, 1.5394,  
5.1186

306.7253,

 1.8888, 0.3162,

256.8254, 354.1213

2.2571

363.5973,  
308.4441, 419.6014

■ 0.5703, 0.0000,  
0.7070

■ 0.0000, 0.0000,  
0.0000

■ 63.5238, 44.9457,  
73.7339

■ 63.5238, 44.9457,  
73.7339

■ 59.2790, 38.0145,  
67.5148

■ 68.6759, 53.6204,  
80.4753

■ 55.8772, 32.6993,  
61.7922

■ 74.7878, 64.1429,  
87.7575

■ 53.2501, 28.8645,  
56.5409

■ 81.9114, 76.6159,  
95.6012

■ 51.3171, 26.3497,  
51.7311

■ 90.0938, 91.1330,  
104.0247

■ 49.9784, 24.9563, 95.0500, 100.0000,  
47.3266 108.9000

■ 49.5043, 24.5657,  
45.4495

# Harmonies

## Analogous

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



55.8073, 44.9457, 108.3980



63.5238, 44.9457, 73.7339



65.2656, 44.9457, 41.9648

# Triad

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



63.5238, 44.9457, 73.7339



40.2097, 44.9457, 11.7008



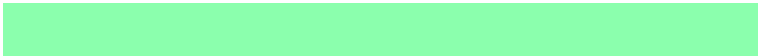
28.9719, 44.9457, 91.7195

# Complementary

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



63.5238, 44.9457, 73.7339



53.9519, 80.0269, 52.1412

# 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.



26.0748, 44.9457, 56.6443



63.5238, 44.9457, 73.7339



31.8568, 44.9457, 16.5324

# Square

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



63.5238, 44.9457, 73.7339



50.6731, 44.9457, 13.2242



27.0398, 44.9457, 30.4367



35.6451, 44.9457, 121.3431



# Rectangle

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



63.5238, 44.9457, 73.7339



62.5857, 44.9457, 27.3120



27.0398, 44.9457, 30.4367



27.5768, 44.9457, 79.7304

# Sweetspot

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



63.5248, 44.9476, 73.7348



83.0605, 78.6440, 96.8172



44.2686, 34.4432, 98.9227



17.4233, 16.2066, 20.3463



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.



63.5248, 44.9476, 73.7348



59.4659, 38.3140, 67.8064



57.1869, 42.4124, 40.3599



18.5524, 18.2043, 21.5262



25.9355, 12.8635, 24.1086



2.5730, 1.2716, 2.5989



# Inverse Universe

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



63.5248, 44.9476, 73.7348



59.4659, 38.3140, 67.8064



60.6729, 82.7153, 87.5337



18.5524, 18.2043, 21.5262



25.9355, 12.8635, 24.1086



2.5730, 1.2716, 2.5989



# Previews

## White Background



This preview shows how the XYZ color 63.5238, 44.9457, 73.7339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

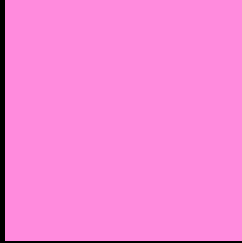
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.5238, 44.9457, 73.7339 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 63.5238, 44.9457, 73.7339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.5238, 44.9457, 73.7339.



This preview shows how white text looks on a background with the XYZ color 63.5238, 44.9457,



# 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

63.5238, 44.9457, 73.7339

### Protanopia

46.9216, 45.5529, 95.9421

### Deuteranopia

46.1861, 45.1499, 70.5705



## Tritanopia

56.6551, 44.8816, 39.8594

# Trichromacy



## Original Color

63.5238, 44.9457, 73.7339



## Protanomaly

50.6695, 43.7638, 87.4380



## Deuteranomaly

51.1768, 44.1158, 71.4635



## Tritanomaly

58.7646, 44.7956, 50.3489

# Monochromacy



## Original Color

63.5238, 44.9457, 73.7339



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

50.1913, 45.2240, 58.9071

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.5238, 44.9457, 73.7339 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, 139, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 221)  
}
```

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, 139, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 63.5238, 44.9457, 73.7339 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, 139, 221) }
```



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

```
.border{ border-color:rgb(255, 139, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.5238, 44.9457, 73.7339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 221) }
```

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

```
.background{ background-color: rgb(255,  
139, 221) }
```

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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