

Converting Colors

XYZ(67.8147, 48.3841, 71.4280)

Have a look what the booklet for
XYZ(67.8147, 48.3841, 71.4280)
contains.

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Color

**XYZ(63.7376, 46.2163,
71.2069)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90D9
RGB	255, 144, 217
RGB Percent	100%, 56%, 85%
CMY	0.0000, 0.4353, 0.1490
CMYK	0.00, 0.44, 0.15, 0.00
HSL	321°, 100%, 78%
HSV	321°, 44%, 100%
XYZ	63.7376, 46.2163, 71.2069
YIQ	185.5110, 42.7230, 46.2350

Conversions

Conversions Part 2

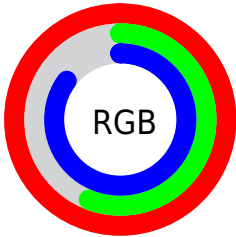
Format	Color
R_{YB}	255, 144, 217
Decimal	16748761
CIE _{Lab}	73.69, 51.07, -18.97
CIE _{LCh}	74, 54.479, 339.622
Yxy	46.2163, 0.3518, 0.2551
Android (android.graphics.Color)	4294938841 (0xFFFF90D9)
YUV	185.5110, 15.5241, 60.9419
Hunter-Lab	67.9826, 48.3846, -14.5143

Details

The XYZ color **63.7376, 46.2163, 71.2069** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.7069, 80.8275, 56.9244**, and the grayscale version is **46.2995, 48.7106, 53.0459**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **32.9427, 21.6567, 36.6263** is the 20% darker color. If you saturate the color by 10%, you get **59.1968, 38.9039, 64.2385**, and if you desaturate by 10%, it is **69.2130, 55.3011, 78.7843**.

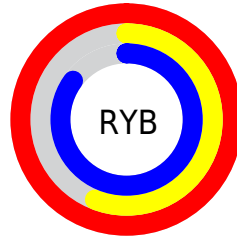
Distribution



Red (100%)

Green (56%)

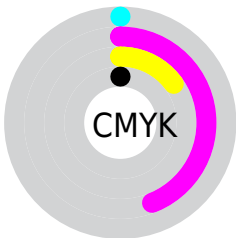
Blue (85%)



Red (100%)

Yellow (56%)

Blue (85%)

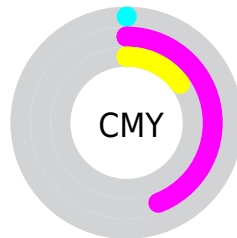


Cyan (0%)

Magenta (44%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7376, 46.2163, 71.2069 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 63.7376, 46.2163, 71.2069 by changing the saturation by 10% instead.


 63.7376, 46.2163,
71.2069


 63.7376, 46.2163,
71.2069


427.8587,
371.6776, 483.6795

 46.6991, 32.4165,
52.0282

 109.3088, 84.5426,
122.6255

 33.0048, 21.6799,
36.6451

 138.5722,
109.8380, 155.7024

 22.2893, 13.6219,
24.6392


172.6412,
139.7340, 194.2492

 14.1875, 7.8581,
15.5919

211.8813,
174.6150, 238.6844

 8.3337, 4.0043,
9.0846

256.6577,
214.8655, 289.4264

 4.3628, 1.6760,
4.6989

307.3358,

 1.9094, 0.4080,

260.8698, 346.8940

2.0160

364.2810,
313.0124, 411.5055

■ 0.5823, 0.0000,
0.5651

■ 0.0000, 0.0000,
0.0000

■ 63.7376, 46.2163,
71.2069

■ 63.7376, 46.2163,
71.2069

■ 59.1968, 38.9039,
64.2385

■ 69.2130, 55.3011,
78.7843

■ 55.5266, 33.2386,
57.8516

■ 75.6742, 66.2603,
86.9906

■ 52.6605, 29.0881,
52.0200

■ 83.1729, 79.1954,
95.8479

■ 50.5200, 26.2971,
46.7128

■ 91.7560, 94.1989,
105.3761

■ 49.0097, 24.6765, 95.0500, 100.0000,
41.8931 108.9000

■ 48.2799, 24.0760,
39.0016

Harmonies

Analogous

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



56.8670, 46.2163, 103.4136



63.7376, 46.2163, 71.2069



64.8993, 46.2163, 41.9446

Triad

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



63.7376, 46.2163, 71.2069



40.8955, 46.2163, 13.9887



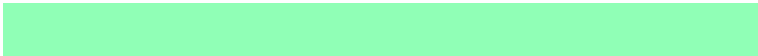
31.1189, 46.2163, 92.4322

Complementary

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



63.7376, 46.2163, 71.2069



55.7069, 80.8275, 56.9244

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.



28.0433, 46.2163, 59.7459



63.7376, 46.2163, 71.2069



33.1162, 46.2163, 19.4655

Square

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



63.7376, 46.2163, 71.2069



50.7165, 46.2163, 15.1168



28.7166, 46.2163, 33.9806



37.7726, 46.2163, 118.4599

Rectangle

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



63.7376, 46.2163, 71.2069



62.1300, 46.2163, 28.3446



28.7166, 46.2163, 33.9806



29.6800, 46.2163, 81.4550

Sweetspot

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



63.7388, 46.2183, 71.2078



83.5976, 79.9334, 96.3329



47.0814, 36.9928, 99.2666



17.5168, 16.4554, 20.1869



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.



63.7388, 46.2183, 71.2078



59.8323, 39.9109, 65.2642



57.7809, 43.8352, 39.8342



18.5129, 18.1885, 21.3182



25.3001, 12.6093, 20.7628



2.5147, 1.2483, 2.2918

Inverse Universe

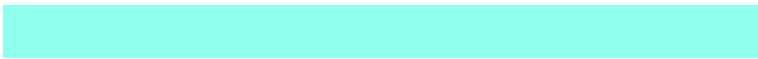
The Inverse Universe completely reimagines the original color for something new.



63.7388, 46.2183, 71.2078



59.8323, 39.9109, 65.2642



62.4760, 83.5352, 92.5702



18.5129, 18.1885, 21.3182



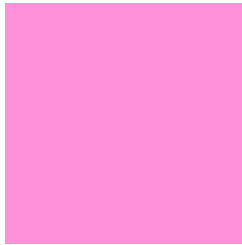
25.3001, 12.6093, 20.7628



2.5147, 1.2483, 2.2918

Previews

White Background



This preview shows how the XYZ color 63.7376, 46.2163, 71.2069 looks on a white background.

Color Contrast Check

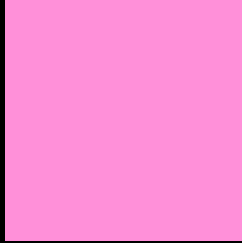
Large Text (above 18pt) WCAG AA × Fail

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 63.7376, 46.2163, 71.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

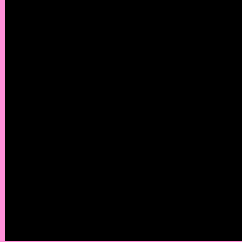
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7376, 46.2163, 71.2069

Background



This preview shows how black text looks on a background with the XYZ color 63.7376, 46.2163, 71.2069.



This preview shows how white text looks on a background with the XYZ color 63.7376, 46.2163,

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

63.7376, 46.2163, 71.2069

Protanopia

47.4570, 46.5435, 90.4869

Deuteranopia

47.4876, 46.4617, 68.0932



Tritanopia

57.5055, 46.0041, 41.9252

Trichromacy



Original Color

63.7376, 46.2163, 71.2069



Protanomaly

51.3702, 45.0259, 83.0742



Deuteranomaly

52.0437, 45.4160, 68.9740



Tritanomaly

59.4470, 45.8247, 51.6108

Monochromacy



Original Color

63.7376, 46.2163, 71.2069



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

51.5049, 47.0059, 59.1818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7376, 46.2163, 71.2069 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, 144, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 217)  
}
```

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, 144, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 217) }
```

Border

The CSS property to change the border of an element to XYZ 63.7376, 46.2163, 71.2069 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, 144, 217) }
```


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

```
.border{ border-color:rgb(255, 144, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7376, 46.2163, 71.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 217) }
```

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

```
.background{ background-color: rgb(255,  
144, 217) }
```

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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