

Converting Colors

XYZ(63.6911, 47.1592, 67.9973)

Have a look what the booklet for
XYZ(63.6911, 47.1592, 67.9973)
contains.

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Color

**XYZ(63.7136, 47.1933,
68.0385)**

Conversions

Conversions Part 1

Format	Color
Hex	FF94D4
RGB	255, 148, 212
RGB Percent	100%, 58%, 83%
CMY	0.0000, 0.4196, 0.1686
CMYK	0.00, 0.42, 0.17, 0.00
HSL	324°, 100%, 79%
HSV	324°, 42%, 100%
XYZ	63.7136, 47.1933, 68.0385
YIQ	187.2890, 43.2280, 42.5880

Conversions

Conversions Part 2

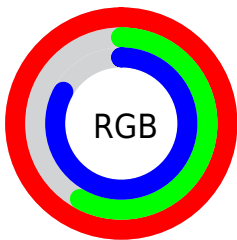
Format	Color
R _Y B	255, 148, 212
Decimal	16749780
CIE Lab	74.31, 48.31, -15.27
CIE LCh	74, 50.666, 342.455
Yxy	47.1933, 0.3561, 0.2637
Android (android.graphics.Color)	4294939860 (0xFFFF94D4)
YUV	187.2890, 12.1825, 59.3825
Hunter-Lab	68.6974, 45.3300, -10.6332

Details

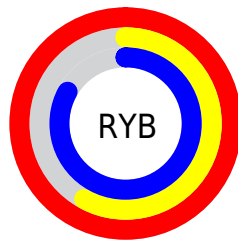
The XYZ color **63.7136, 47.1933, 68.0385** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.3785, 81.5783, 62.0155**, and the grayscale version is **47.3147, 49.7787, 54.2090**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **32.8535, 22.1755, 34.4470** is the 20% darker color. If you saturate the color by 10%, you get **58.8933, 39.5564, 60.2549**, and if you desaturate by 10%, it is **69.4991, 56.6291, 76.5498**.

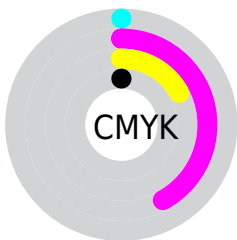
Distribution



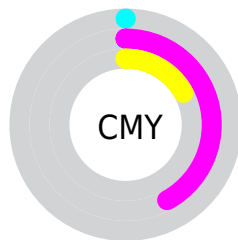
- Red (100%)
- Green (58%)
- Blue (83%)



- Red (100%)
- Yellow (58%)
- Blue (83%)



- Cyan (0%)
- Magenta (42%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7136, 47.1933, 68.0385 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 63.7136, 47.1933, 68.0385 by changing the saturation by 10% instead.


 63.7136, 47.1933,
68.0385


 63.7136, 47.1933,
68.0385

427.7733,
375.5856, 472.2342

 46.6796, 33.1885,
49.4622


 109.2744, 86.0021,
118.0620

 32.9893, 22.2709,
34.6181

 138.5319,
111.5749, 150.3462

 22.2774, 14.0561,
23.0876

172.5946,
141.7724, 188.0367

 14.1786, 8.1597,
14.4523

211.8278,
176.9791, 231.5522

 8.3276, 4.1973,
8.2936

256.5969,
217.5794, 281.3112

 4.3588, 1.7845,
4.1929

307.2673,

 1.9071, 0.4775,

263.9576, 337.7321

1.7318

364.2043,
316.4982, 401.2336

■ 0.5809, 0.0000,
0.3824

■ 0.0000, 0.0000,
0.0000

■ 63.7136, 47.1933,
68.0385

■ 63.7136, 47.1933,
68.0385

■ 58.8933, 39.5564,
60.2549

■ 69.4991, 56.6291,
76.5498

■ 54.9749, 33.5944,
53.1688

■ 76.3011, 67.9643,
85.8115

■ 51.8924, 29.1779,
46.7511

■ 84.1712, 81.2997,
95.8485

■ 49.5688, 26.1551,
40.9683

■ 93.1562, 96.7267,
106.6831

■ 47.9111, 24.3431,
35.7811

95.0500, 100.0000,
108.9000

■ 46.9501, 23.5441,
31.9991

Harmonies

Analogous

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



57.7472, 47.1933, 97.9899



63.7136, 47.1933, 68.0385



64.2237, 47.1933, 41.3090

Triad

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



63.7136, 47.1933, 68.0385



41.1836, 47.1933, 16.3198



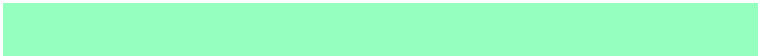
33.1347, 47.1933, 93.2248

Complementary

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



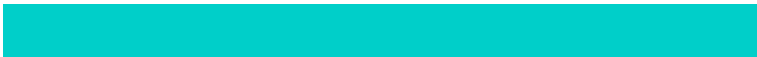
63.7136, 47.1933, 68.0385



57.3785, 81.5783, 62.0155

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.



29.8350, 47.1933, 62.9803



63.7136, 47.1933, 68.0385



34.0417, 47.1933, 22.5506

Square

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



63.7136, 47.1933, 68.0385



50.3456, 47.1933, 16.8625



30.1428, 47.1933, 37.6990



39.7804, 47.1933, 115.5846

Rectangle

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



63.7136, 47.1933, 68.0385



61.3173, 47.1933, 28.8945



30.1428, 47.1933, 37.6990



31.6405, 47.1933, 83.2767

Sweetspot

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



63.7147, 47.1954, 68.0394



83.3001, 79.8143, 94.7660



50.0775, 39.4528, 99.5835



17.4431, 16.4259, 19.7990



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.



63.7147, 47.1954, 68.0394



59.7644, 40.9163, 61.7234



58.0634, 44.9349, 38.2802



18.4655, 18.1695, 21.0686



24.6083, 12.3326, 17.1195



2.4501, 1.2224, 1.9515

Inverse Universe

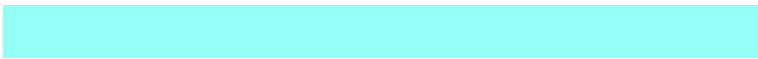
The Inverse Universe completely reimagines the original color for something new.



63.7147, 47.1954, 68.0394



59.7644, 40.9163, 61.7234



64.3488, 84.3664, 98.7203



18.4655, 18.1695, 21.0686



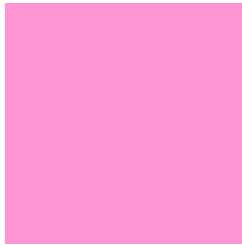
24.6083, 12.3326, 17.1195



2.4501, 1.2224, 1.9515

Previews

White Background



This preview shows how the XYZ color 63.7136, 47.1933, 68.0385 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 63.7136, 47.1933, 68.0385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

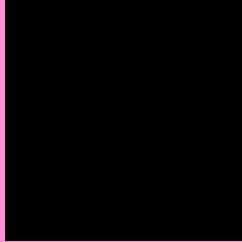
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7136, 47.1933, 68.0385

Background



This preview shows how black text looks on a background with the XYZ color 63.7136, 47.1933, 68.0385.



This preview shows how white text looks on a background with the XYZ color 63.7136, 47.1933,

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

63.7136, 47.1933, 68.0385

Protanopia

47.8815, 47.4809, 85.2384

Deuteranopia

48.4181, 47.2929, 65.6080



Tritanopia

58.5492, 47.2651, 43.0830

Trichromacy



Original Color

63.7136, 47.1933, 68.0385



Protanomaly

51.8725, 46.2013, 78.8568



Deuteranomaly

53.0589, 46.5370, 66.5076



Tritanomaly

60.3522, 47.2673, 51.2900

Monochromacy



Original Color

63.7136, 47.1933, 68.0385



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

52.0588, 47.8697, 58.7205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7136, 47.1933, 68.0385 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 212) }
```

Border

The CSS property to change the border of an element to XYZ 63.7136, 47.1933, 68.0385 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, 212) }
```


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

```
.border{ border-color:rgb(255, 148, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7136, 47.1933, 68.0385 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
148, 212) }
```

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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