

Converting Colors

XYZ(105.4532, 68.0728,
78.4022)

Have a look what the booklet for
XYZ(105.4532, 68.0728, 78.4022)
contains.

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Color

**XYZ(64.9734, 47.1996,
76.2070)**

Conversions

Conversions Part 1

Format	Color
Hex	FF92E0
RGB	255, 146, 224
RGB Percent	100%, 57%, 88%
CMY	0.0000, 0.4274, 0.1216
CMYK	0.00, 0.43, 0.12, 0.00
HSL	317°, 100%, 79%
HSV	317°, 43%, 100%
XYZ	64.9734, 47.1996, 76.2070
YIQ	187.4830, 39.9260, 47.3660

Conversions

Conversions Part 2

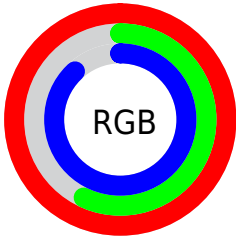
Format	Color
R_{YB}	255, 146, 224
Decimal	16749280
CIE _{Lab}	74.32, 51.16, -21.85
CIE _{LCh}	74, 55.629, 336.869
Yxy	47.1996, 0.3449, 0.2506
Android (android.graphics.Color)	4294939360 (0xFFFF92E0)
YUV	187.4830, 18.0029, 59.2124
Hunter-Lab	68.7020, 48.5841, -17.6755

Details

The XYZ color **64.9734, 47.1996, 76.2070** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.5516, 80.8061, 54.2672**, and the grayscale version is **47.3937, 49.8619, 54.2996**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **33.7535, 22.2546, 40.0527** is the 20% darker color. If you saturate the color by 10%, you get **60.5092, 39.8118, 69.9694**, and if you desaturate by 10%, it is **70.3584, 56.3614, 82.9596**.

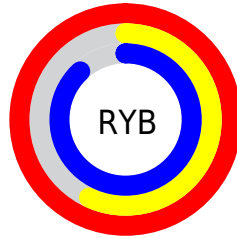
Distribution



Red (100%)

Green (57%)

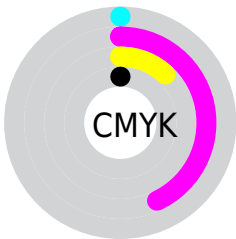
Blue (88%)



Red (100%)

Yellow (57%)

Blue (88%)

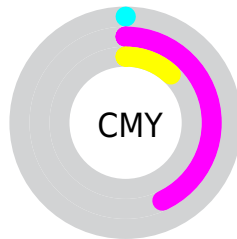


Cyan (0%)

Magenta (43%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (43%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9734, 47.1996, 76.2070 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 64.9734, 47.1996, 76.2070 by changing the saturation by 10% instead.

64.9734, 47.1996,
76.2070

64.9734, 47.1996,
76.2070

432.2431,
375.6107, 501.4217

47.7041, 33.1935,
56.0946

111.0775, 86.0115,
129.7822

33.8029, 22.2747,
39.8743

140.6431,
111.5860, 164.0821

22.9044, 14.0589,
27.1275

175.0382,
141.7855, 203.9483

14.6432, 8.1616,
17.4357

214.6281,
176.9943, 249.7992

8.6541, 4.1985,
10.3804

259.7781,
217.5968, 302.0535

4.5715, 1.7852,
5.5430

310.8538,

2.0303, 0.4779,

263.9775, 361.1296

2.5050

368.2203,
316.5206, 427.4462

■ 0.6509, 0.0000,
0.8428

■ 0.0000, 0.0000,
0.0000

■ 64.9734, 47.1996,
76.2070

■ 64.9734, 47.1996,
76.2070

■ 60.5092, 39.8118,
69.9694

■ 70.3584, 56.3614,
82.9596

■ 56.9029, 34.0736,
64.2217

■ 76.7148, 67.3983,
90.2450

■ 54.0889, 29.8546,
58.9400

■ 84.0935, 80.4110,
98.0832

■ 51.9902, 27.0016,
54.0960

■ 92.5408, 95.4913,
106.4919

■ 50.5135, 25.3288,
49.6558

95.0500, 100.0000,
108.9000

■ 49.7327, 24.6571,
46.6518

Harmonies

Analogous

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



57.4183, 47.1996, 109.2478



64.9734, 47.1996, 76.2070



66.7924, 47.1996, 45.0821

Triad

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



64.9734, 47.1996, 76.2070



42.6007, 47.1996, 13.8112



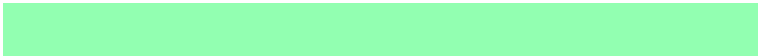
31.1681, 47.1996, 92.0282

Complementary

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



64.9734, 47.1996, 76.2070



55.5516, 80.8061, 54.2672

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.



28.3488, 47.1996, 58.2655



64.9734, 47.1996, 76.2070



34.2839, 47.1996, 18.7227

Square

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



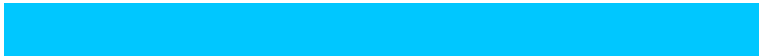
64.9734, 47.1996, 76.2070



52.8486, 47.1996, 15.5594



29.3983, 47.1996, 32.6503



37.7232, 47.1996, 120.5050

Rectangle

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



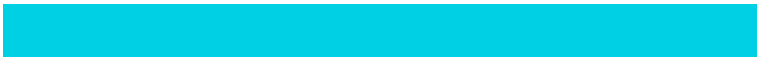
64.9734, 47.1996, 76.2070



64.2970, 47.1996, 30.3021



29.3983, 47.1996, 32.6503



29.8002, 47.1996, 80.5209

Sweetspot

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



64.9746, 47.2016, 76.2079



83.8903, 80.0505, 97.8743



46.4358, 37.1137, 99.3240



17.5893, 16.4844, 20.5691



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.



64.9746, 47.2016, 76.2079



61.2238, 40.9772, 71.0206



58.7398, 44.7077, 43.3764



18.5594, 18.2071, 21.5631



26.0538, 12.9108, 24.7317



2.5838, 1.2759, 2.6556

Inverse Universe

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



64.9746, 47.2016, 76.2079



61.2238, 40.9772, 71.0206



62.0934, 83.4229, 88.7161



18.5594, 18.2071, 21.5631



26.0538, 12.9108, 24.7317



2.5838, 1.2759, 2.6556

Previews

White Background



This preview shows how the XYZ color 64.9734, 47.1996, 76.2070 looks on a white background.

Color Contrast Check

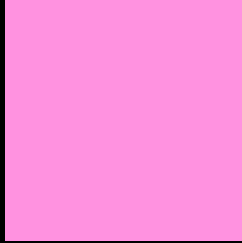
Large Text (above 18pt) WCAG AA × Fail

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 64.9734, 47.1996, 76.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

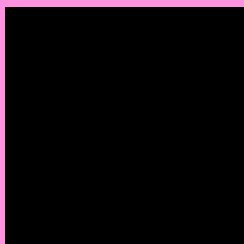
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9734, 47.1996, 76.2070

Background



This preview shows how black text looks on a background with the XYZ color 64.9734, 47.1996, 76.2070.



This preview shows how white text looks on a background with the XYZ color 64.9734, 47.1996,

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

64.9734, 47.1996, 76.2070

Protanopia

48.7270, 47.6738, 96.2563

Deuteranopia

48.5422, 47.4925, 72.9382



Tritanopia

58.2853, 47.1183, 43.5589

Trichromacy



Original Color

64.9734, 47.1996, 76.2070



Protanomaly

52.4958, 46.0323, 88.5564



Deuteranomaly

53.3153, 46.5064, 73.8768



Tritanomaly

60.3602, 46.9658, 54.0281

Monochromacy



Original Color

64.9734, 47.1996, 76.2070



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

52.3292, 47.6722, 61.0872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9734, 47.1996, 76.2070 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, 146, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 224)  
}
```

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, 146, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 224) }
```

Border

The CSS property to change the border of an element to XYZ 64.9734, 47.1996, 76.2070 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, 146, 224) }
```


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

```
.border{ border-color:rgb(255, 146, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 146, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9734, 47.1996, 76.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 224) }
```

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

```
.background{ background-color: rgb(255,  
146, 224) }
```

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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