

Converting Colors

XYZ(116.5998, 73.6737,
77.0870)

Have a look what the booklet for
XYZ(116.5998, 73.6737, 77.0870)
contains.

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Color

**XYZ(64.5502, 46.7847,
74.7354)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91DE
RGB	255, 145, 222
RGB Percent	100%, 57%, 87%
CMY	0.0000, 0.4313, 0.1294
CMYK	0.00, 0.43, 0.13, 0.00
HSL	318°, 100%, 78%
HSV	318°, 43%, 100%
XYZ	64.5502, 46.7847, 74.7354
YIQ	186.6680, 40.8430, 47.2670

Conversions

Conversions Part 2

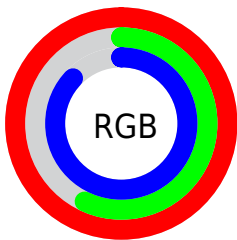
Format	Color
R _{YB}	255, 145, 222
Decimal	16749022
CIE Lab	74.05, 51.34, -21.16
CIE LCh	74, 55.532, 337.602
Yxy	46.7847, 0.3469, 0.2514
Android (android.graphics.Color)	4294939102 (0xFFFF91DE)
YUV	186.6680, 17.4187, 59.9272
Hunter-Lab	68.3993, 48.7561, -16.9027

Details

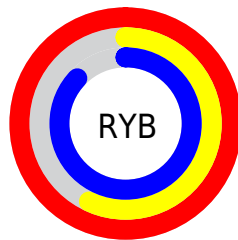
The XYZ color **64.5502, 46.7847, 74.7354** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.4746, 80.7549, 54.7858**, and the grayscale version is **46.9373, 49.3817, 53.7767**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **33.4811, 22.0080, 39.0425** is the 20% darker color. If you saturate the color by 10%, you get **60.0797, 39.4475, 68.3009**, and if you desaturate by 10%, it is **69.9438, 55.8932, 81.7083**.

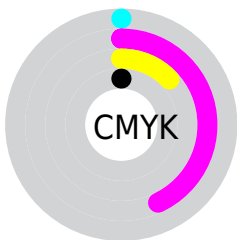
Distribution



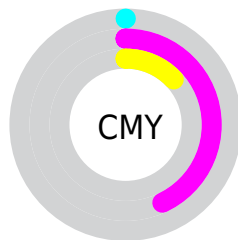
- Red (100%)
- Green (57%)
- Blue (87%)



- Red (100%)
- Yellow (57%)
- Blue (87%)



- Cyan (0%)
- Magenta (43%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5502, 46.7847, 74.7354 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 64.5502, 46.7847, 74.7354 by changing the saturation by 10% instead.


 64.5502, 46.7847,
74.7354


 64.5502, 46.7847,
74.7354


430.7446,
373.9545, 496.2387

 47.3598, 32.8655,
54.8957


 110.4722, 85.3922,
127.6814

 33.5293, 22.0234,
38.9202


 139.9346,
110.8492, 161.6248

 22.6934, 13.8741,
26.3903


174.2183,
140.9210, 201.1065

 14.4867, 8.0332,
16.8875

213.6887,
175.9918, 246.5451

 8.5439, 4.1162,
9.9932

258.7112,
216.4462, 298.3590

 4.4996, 1.7388,
5.2889


309.6511,


 1.9885, 0.4486,


262.6685, 356.9669


2.3561


366.8738,
315.0432, 422.7873


 0.6275, 0.0000,
0.7624


 0.0000, 0.0000,
0.0000


 64.5502, 46.7847,
74.7354

 64.5502, 46.7847,
74.7354


 60.0797, 39.4475,
68.3009


 69.9438, 55.8932,
81.7083


 56.4691, 33.7569,
62.3791

 76.3115, 66.8748,
89.2378

 53.6525, 29.5816,
56.9453

 83.7044, 79.8303,
97.3445

 51.5522, 26.7674,
51.9708

 92.1689, 94.8519,
106.0467

■ 50.0739, 25.1270,
47.4207

95.0500, 100.0000,
108.9000

■ 49.3259, 24.4944,
44.5100

Harmonies

Analogous

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



57.1591, 46.7847, 107.6762



64.5502, 46.7847, 74.7354



66.1948, 46.7847, 44.0463

Triad

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



64.5502, 46.7847, 74.7354



41.9901, 46.7847, 13.6994



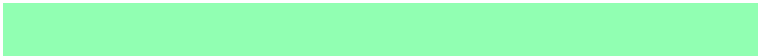
30.9957, 46.7847, 92.1007

Complementary

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



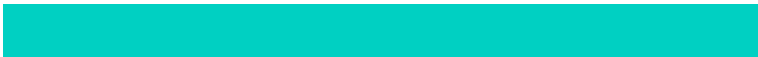
64.5502, 46.7847, 74.7354



55.4746, 80.7549, 54.7858

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.



28.1056, 46.7847, 58.5191



64.5502, 46.7847, 74.7354



33.8090, 46.7847, 18.7477

Square

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



64.5502, 46.7847, 74.7354



52.1434, 46.7847, 15.2740



29.0529, 46.7847, 32.8227



37.5844, 46.7847, 120.0304

Rectangle

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



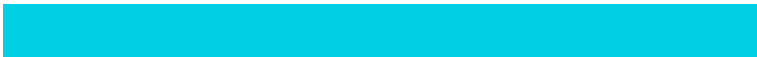
64.5502, 46.7847, 74.7354



63.6158, 46.7847, 29.5803



29.0529, 46.7847, 32.8227



29.6078, 46.7847, 80.6946

Sweetspot

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



64.5513, 46.7867, 74.7363



83.8112, 80.0188, 97.4578



46.5375, 36.9382, 99.2847



17.5697, 16.4766, 20.4658



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.



64.5513, 46.7867, 74.7363



60.5426, 40.1951, 69.0049



58.3419, 44.3029, 42.0380



18.5469, 18.2021, 21.4970



25.8430, 12.8265, 23.6216



2.5646, 1.2682, 2.5545

Inverse Universe

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



64.5513, 46.7867, 74.7363



60.5426, 40.1951, 69.0049



62.1463, 83.4236, 89.9186



18.5469, 18.2021, 21.4970



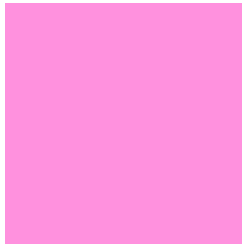
25.8430, 12.8265, 23.6216



2.5646, 1.2682, 2.5545

Previews

White Background



This preview shows how the XYZ color 64.5502, 46.7847, 74.7354 looks on a white background.

Color Contrast Check

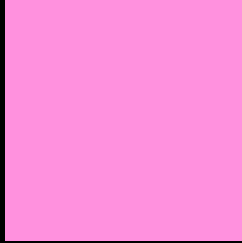
Large Text (above 18pt) WCAG AA × Fail

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 64.5502, 46.7847, 74.7354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

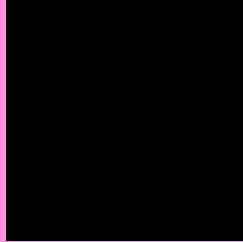
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5502, 46.7847, 74.7354

Background



This preview shows how black text looks on a background with the XYZ color 64.5502, 46.7847, 74.7354.



This preview shows how white text looks on a background with the XYZ color 64.5502, 46.7847,

74.7354.

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

64.5502, 46.7847, 74.7354

Protanopia

48.2140, 47.1444, 94.5543

Deuteranopia

48.0822, 46.9890, 71.5013



Tritanopia

58.0233, 46.7438, 43.0101

Trichromacy



Original Color

64.5502, 46.7847, 74.7354



Protanomaly

52.0163, 45.5462, 86.9387



Deuteranomaly

52.8694, 46.0360, 72.4290



Tritanomaly

60.0890, 46.5965, 53.4039

Monochromacy



Original Color

64.5502, 46.7847, 74.7354



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 64.5502, 46.7847, 74.7354 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, 145, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 222)  
}
```

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, 145, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 222) }
```

Border

The CSS property to change the border of an element to XYZ 64.5502, 46.7847, 74.7354 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, 145, 222) }
```


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

```
.border{ border-color:rgb(255, 145, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5502, 46.7847, 74.7354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 222) }
```

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

```
.background{ background-color: rgb(255,  
145, 222) }
```

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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