

# Converting Colors

XYZ(65.1124, 41.8067, 93.7358)

Have a look what the booklet for  
XYZ(65.1124, 41.8067, 93.7358)  
contains.

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# Color

**XYZ(65.0206, 41.7121,  
93.4312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF79F8
RGB	255, 121, 248
RGB Percent	100%, 47%, 97%
CMY	0.0000, 0.5255, 0.0274
CMYK	0.00, 0.53, 0.03, 0.00
HSL	303°, 100%, 74%
HSV	303°, 53%, 100%
XYZ	65.0206, 41.7121, 93.4312
YIQ	175.5440, 39.0970, 67.9050

# Conversions

## Conversions Part 2

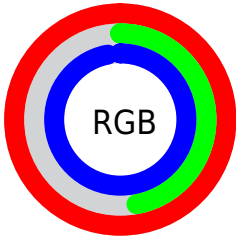
Format	Color
R <sub>YB</sub>	255, 121, 248
Decimal	16742904
CIE <sub>Lab</sub>	70.67, 66.98, -40.62
CIE <sub>LCh</sub>	71, 78.331, 328.765
Yxy	41.7121, 0.3248, 0.2084
Android (android.graphics.Color)	4294932984 (0xFFFF79F8)
YUV	175.5440, 35.7208, 69.6829
Hunter-Lab	64.5849, 66.6806, -40.5619

# Details

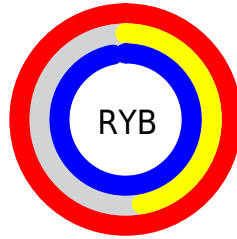
The XYZ color **65.0206, 41.7121, 93.4312** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.5428, 77.1441, 32.8087**, and the grayscale version is **40.8372, 42.9639, 46.7877**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **33.9464, 19.0524, 51.1785** is the 20% darker color. If you saturate the color by 10%, you get **62.1154, 36.2310, 91.4473**, and if you desaturate by 10%, it is **68.7480, 48.8347, 95.6975**.

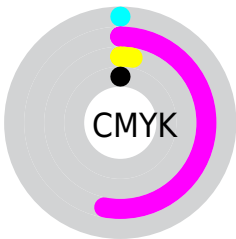
# Distribution



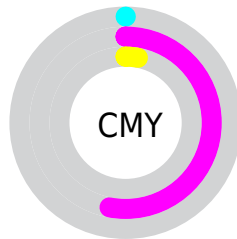
- Red (100%)
- Green (47%)
- Blue (97%)



- Red (100%)
- Yellow (47%)
- Blue (97%)



- Cyan (0%)
- Magenta (53%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0206, 41.7121, 93.4312 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 65.0206, 41.7121, 93.4312 by changing the saturation by 10% instead.





 65.0206, 41.7121,  
93.4312


 65.0206, 41.7121,  
93.4312


432.4100,  
353.2881, 559.9859


 47.7425, 28.8759,  
70.2403

 111.1450, 77.7637,  
154.0723

 33.8335, 18.9870,  
51.2444


 140.7221,  
101.7479, 192.3596

 22.9280, 11.6609,  
36.0251

 175.1295,  
130.2170, 236.5162

 14.6607, 6.5132,  
24.1637

214.7327,  
163.5552, 286.9604

 8.6664, 3.1596,  
15.2418

259.8970,  
202.1471, 344.1110

 4.5796, 1.2156,  
8.8408

310.9878,

 2.0350, 0.0744,

246.3769, 408.3864

4.5421

368.3703,  
296.6291, 480.2052

■ 0.6535, 0.0000,  
1.9272

■ 0.0000, 0.0000,  
0.5100

■ 65.0206, 41.7121,  
93.4312

■ 65.0206, 41.7121,  
93.4312

■ 62.1154, 36.2310,  
91.4473

■ 68.7480, 48.8347,  
95.6975

■ 59.9635, 32.2543,  
89.7212

■ 73.3536, 57.7116,  
98.2632

■ 58.4895, 29.6313,  
88.2283

■ 78.8917, 68.4511,  
101.1471

■ 57.6012, 28.1773,  
86.9378

■ 85.4116, 81.1518,  
104.3656

■ 57.2189, 27.6516,  
86.0739

■ 92.9589, 95.9051,  
107.9338

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



52.8983, 41.7121, 141.1989



65.0206, 41.7121, 93.4312



70.1699, 41.7121, 46.9741

# Triad

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



65.0206, 41.7121, 93.4312



40.1860, 41.7121, 4.8965



21.5572, 41.7121, 89.1847

# Complementary

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



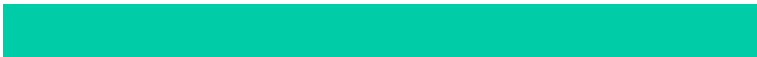
65.0206, 41.7121, 93.4312



47.5428, 77.1441, 32.8087

# 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.



19.5750, 41.7121, 43.8954



65.0206, 41.7121, 93.4312



28.8156, 41.7121, 7.1716

# Square

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



65.0206, 41.7121, 93.4312



54.0346, 41.7121, 7.6308



21.9172, 41.7121, 17.5368



28.0695, 41.7121, 137.9454



# Rectangle

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



65.0206, 41.7121, 93.4312



68.2565, 41.7121, 26.0986



21.9172, 41.7121, 17.5368



20.4111, 41.7121, 72.4845

# Sweetspot

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



65.0216, 41.7138, 93.4320



83.0459, 76.5379, 103.2152



33.7462, 25.4629, 97.7439



17.4858, 15.8182, 21.9497



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.



65.0216, 41.7138, 93.4320



62.0020, 36.0190, 91.3635



56.4499, 38.2851, 48.2942



18.7493, 18.2830, 22.5628



29.9160, 14.4557, 45.0694



2.9249, 1.4123, 4.4518



# Inverse Universe

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



65.0216, 41.7138, 93.4320



62.0020, 36.0190, 91.3635



53.4629, 79.5122, 63.9835



18.7493, 18.2830, 22.5628



29.9160, 14.4557, 45.0694



2.9249, 1.4123, 4.4518



# Previews

## White Background



This preview shows how the XYZ color 65.0206, 41.7121, 93.4312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

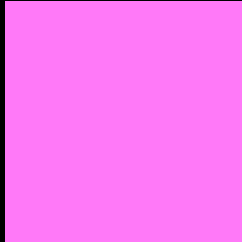
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0206, 41.7121, 93.4312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

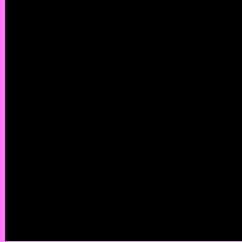
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.0206, 41.7121, 93.4312

## Background



This preview shows how black text looks on a background with the XYZ color 65.0206, 41.7121, 93.4312.



This preview shows how white text looks on a background with the XYZ color 65.0206, 41.7121,

93.4312.

# 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

65.0206, 41.7121, 93.4312

### Protanopia

44.1145, 42.2751, 100.4426

### Deuteranopia

43.0918, 42.0332, 87.5034



## Tritanopia

53.1979, 41.5462, 36.2257

# Trichromacy



## Original Color

65.0206, 41.7121, 93.4312



## Protanomaly

48.7291, 40.0011, 97.2481



## Deuteranomaly

48.4045, 40.0121, 89.1763



## Tritanomaly

56.7009, 41.2389, 53.1156

# Monochromacy



## Original Color

65.0206, 41.7121, 93.4312



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

47.7260, 41.0203, 61.2794

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0206, 41.7121, 93.4312 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, 121, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 248)  
}
```

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, 121, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0206, 41.7121, 93.4312 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".

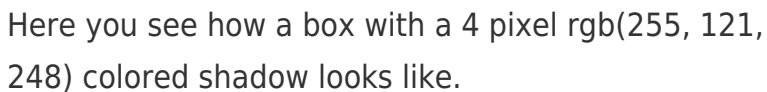
```
.border, #border, table{ border:4px solid rgb(255, 121, 248) }
```



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

```
.border{ border-color:rgb(255, 121, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 121, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 121, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 121, 248); box-shadow:4px 4px 4px 4px rgb(255, 121, 248) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0206, 41.7121, 93.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 248) }
```

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

```
.background{ background-color: rgb(255,  
121, 248) }
```

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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