

# Converting Colors

XYZ(62.3704, 35.7246, 94.9348)

Have a look what the booklet for  
XYZ(62.3704, 35.7246, 94.9348)  
contains.

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# Color

**XYZ(62.3937, 35.7072,  
94.8705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5BFB
RGB	255, 91, 251
RGB Percent	100%, 36%, 98%
CMY	0.0000, 0.6431, 0.0157
CMYK	0.00, 0.64, 0.02, 0.00
HSL	301°, 100%, 68%
HSV	301°, 64%, 100%
XYZ	62.3937, 35.7072, 94.8705
YIQ	158.2760, 46.3840, 84.5280

# Conversions

## Conversions Part 2

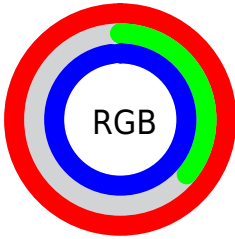
Format	Color
R <sub>Y</sub> B	255, 91, 251
Decimal	16735227
CIE Lab	66.30, 79.83, -49.13
CIE LCh	66, 93.735, 328.387
Yxy	35.7072, 0.3233, 0.1850
Android (android.graphics.Color)	4294925307 (0xFFFF5BFB)
YUV	158.2760, 45.7129, 84.8269
Hunter-Lab	59.7555, 81.8086, -52.3026

# Details

The XYZ color **62.3937, 35.7072, 94.8705** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **42.1410, 74.5709, 23.0007**, and the grayscale version is **32.4104, 34.0982, 37.1330**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **32.2758, 15.5623, 52.3416** is the 20% darker color. If you saturate the color by 10%, you get **60.4743, 32.0250, 93.7483**, and if you desaturate by 10%, it is **65.0550, 40.8725, 96.2425**.

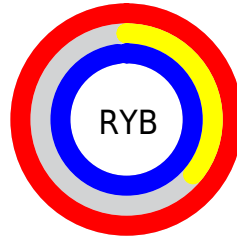
# Distribution



Red (100%)

Green (36%)

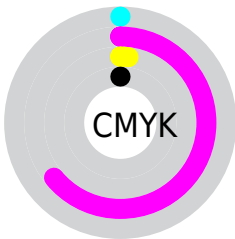
Blue (98%)



Red (100%)

Yellow (36%)

Blue (98%)

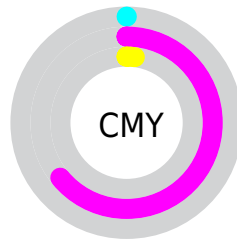


Cyan (0%)

Magenta (64%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (64%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3937, 35.7072, 94.8705 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 62.3937, 35.7072, 94.8705 by changing the saturation by 10% instead.





 62.3937, 35.7072,  
94.8705


 62.3937, 35.7072,  
94.8705

423.0604,  
327.6790, 564.7241

 45.6077, 24.2081,  
71.4309

 107.3811, 68.5799,  
156.0797

 32.1397, 15.4881,  
52.2099


 136.3131, 90.7223,  
194.6864

 21.6243, 9.1627,  
36.7890

 170.0246,  
117.1813, 239.1859

 13.6961, 4.8474,  
24.7497

 208.8808,  
148.3413, 289.9967

 7.9899, 2.1580,  
15.6733

253.2472,  
184.5867, 347.5374

 4.1402, 0.6970,  
9.1415

303.4890,

 1.7818, 0.0000,

226.3018, 412.2265

4.7355

359.9716,  
273.8711, 484.4825

■ 0.5067, 0.0000,  
2.0369

■ 0.0000, 0.0000,  
0.5778

■ 62.3937, 35.7072,  
94.8705

■ 62.3937, 35.7072,  
94.8705

■ 60.4743, 32.0250,  
93.7483

■ 65.0550, 40.8725,  
96.2425

■ 59.2163, 29.6650,  
92.8476

■ 68.5236, 47.6520,  
97.8848

■ 58.5239, 28.4359,  
92.1371

■ 72.8602, 56.1671,  
99.8180

■ 58.3048, 28.0859,  
91.7918

■ 78.1191, 66.5262,  
102.0603

84.3502, 78.8292,  
104.6282

91.5998, 93.1686,  
107.5372

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.



48.4039, 35.7072, 153.6981



62.3937, 35.7072, 94.8705



68.5622, 35.7072, 41.0892

# Triad

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



62.3937, 35.7072, 94.8705



34.7018, 35.7072, 1.5232



15.3451, 35.7072, 88.2214

# Complementary

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



62.3937, 35.7072, 94.8705



42.1410, 74.5709, 23.0007

# 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.



13.5229, 35.7072, 36.7497



62.3937, 35.7072, 94.8705



22.6872, 35.7072, 2.8560

# Square

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



62.3937, 35.7072, 94.8705



50.0854, 35.7072, 3.2537



15.7957, 35.7072, 10.8611



21.6988, 35.7072, 148.3375



# Rectangle

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



62.3937, 35.7072, 94.8705



66.4073, 35.7072, 19.2872



15.7957, 35.7072, 10.8611



14.2744, 35.7072, 68.6001

# Sweetspot

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



62.3944, 35.7085, 94.8712



81.3043, 72.8120, 103.3825



26.3813, 17.0694, 96.5120



17.0279, 14.8454, 21.9732



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.



62.3944, 35.7085, 94.8712



60.0745, 31.2675, 93.4854



52.2630, 31.6560, 41.5202



18.7724, 18.2923, 22.6847



30.4741, 14.6790, 48.0088



2.9730, 1.4316, 4.7052



# Inverse Universe

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



62.3944, 35.7085, 94.8712



60.0745, 31.2675, 93.4854



47.8856, 76.8687, 53.2513



18.7724, 18.2923, 22.6847



30.4741, 14.6790, 48.0088



2.9730, 1.4316, 4.7052



# Previews

## White Background



This preview shows how the XYZ color 62.3937, 35.7072, 94.8705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

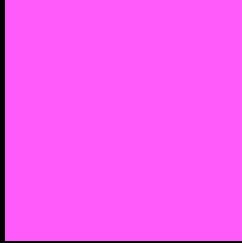
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3937, 35.7072, 94.8705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

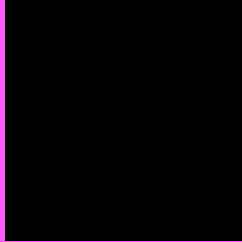
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.3937, 35.7072, 94.8705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3937, 35.7072, 94.8705.



This preview shows how white text looks on a background with the XYZ color 62.3937, 35.7072,

94.8705.

# 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

62.3937, 35.7072, 94.8705

### Protanopia

38.4452, 35.8847, 99.5079

### Deuteranopia

36.9032, 35.8685, 87.4164



## Tritanopia

48.4520, 35.5482, 27.2295

# Trichromacy



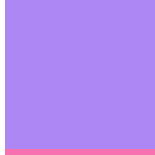
## Original Color

62.3937, 35.7072, 94.8705



## Protanomaly

43.2091, 32.8639, 97.8319



## Deuteranomaly

42.2267, 32.7438, 89.6826



## Tritanomaly

52.1987, 34.7587, 45.5529

# Monochromacy



## Original Color

62.3937, 35.7072, 94.8705



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

40.0318, 32.1934, 53.9732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3937, 35.7072, 94.8705 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, 91, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 251)  
}
```

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, 91, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3937, 35.7072, 94.8705 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, 91, 251) }
```



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

```
.border{ border-color:rgb(255, 91, 251) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3937, 35.7072, 94.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 251) }
```

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

```
.background{ background-color: rgb(255, 91,  
251) }
```

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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